

#### Disclaimer

Data obtained through Sentinel are intended to complement other types of evidence such as preclinical studies, clinical trials, postmarket studies, and adverse event reports, all of which are used by FDA to inform regulatory decisions regarding medical product safety. The information contained in this report is provided as part of FDA's commitment to place knowledge acquired from Sentinel in the public domain as soon as possible. Any public health actions taken by FDA regarding products involved in Sentinel queries will continue to be communicated through existing channels.

FDA wants to emphasize that the fact that FDA has initiated a query involving a medical product and is reporting findings related to that query does not mean that FDA is suggesting health care practitioners should change their prescribing practices for the medical product or that patients taking the medical product should stop using it. Patients who have questions about the use of an identified medical product should contact their health care practitioners.

The following report contains a description of the request, request specifications, and results from the modular program run(s).

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#### Overview - Report 6 of 6

Request ID: cder\_mpl2p\_wp005\_nsdp\_v01

**Report Description:** This report contains the last of five related atypical antipsychotic specific analyses. This analysis investigated the association between fluoxetine (a specific selective serotonin reuptake inhibitor (SSRI)) users who initiate the atypical antipsychotic olanzapine and the occurrence of stroke. The comparison group for this request is z-hypnotic users with baseline fluoxetine use who do not initiate an antipsychotic. Reports 1-5 contain results from other atypical antipsychotic specific analyses as well as all atypical antipsychotics analyses with varying exposure incidence criteria, follow-up periods, or exposure groups. Reports 1-4 examine the atypical antipsychotics olanzapine, quetiapine, risperidone, and aripiprazole, respectively. Report 5 examines all atypical antipsychotics.

<u>Data Source</u>: Data from January 1, 2001 to September 30, 2015 from 6 Data Partners contributing to the Sentinel Distributed Database were included in this report. This request was distributed to Data Partners on April 14, 2017. Please note that 10 Data Partners were excluded from this report because their propensity score models did not fully converge. See Appendix A for a list of the latest dates of data for each included Data Partner.

<u>Sentinel Modular Program Tool</u>: Cohort Identification and Descriptive Analysis (CIDA) tool, Version 3.3.2, and a Rapid Analytic Development and Response (RADaR) module.

**Study Design:** This study used a retrospective new-user cohort design.

**Exposure and Comparator:** The exposure of interest was new olanzapine use in baseline users of fluoxetine and the comparator of interest was new z-hypnotics use in baseline users of fluoxetine. The exposure, comparator and baseline-use drugs were defined using National Drug Codes (NDCs). For a list of generic and brand names used to define the exposure, comparator and baseline-use drugs, please see Appendices B, C and D.

Cohort Eligibility Criteria: Males and females aged 18 to 64 years with continuous enrollment in plans with both medical and drug coverage for at least 183 days before exposure initiation, during which gaps in coverage of up to 45 days were allowed, were eligible to be included in the cohort. New use was defined as no use of the exposure of interest in the 183 days prior to exposure initiation. Patients were excluded from the cohort if they had evidence of dementia in the 183 days prior to exposure initiation. Patients were also excluded from the cohort if they had evidence of stroke in the 183 days prior to or the day of exposure initiation. These exclusions were defined using International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) diagnosis codes. For a list of diagnosis codes used to define exclusions, please see Appendix E.

<u>Follow-up</u>: Follow-up time was determined by the length of the exposure episodes. Exposure episode lengths were defined using outpatient pharmacy dispensing days supplied to create a sequence of continuous exposure. Exposure episodes were considered continuous if gaps in days supplied were 30 days or less. Follow-up began on the first day of exposure initiation and continued until the first occurrence of any of the following: 1) an outcome (stroke) diagnosis code; 2) a dispensing of the comparator drug; 3) a dispensing of any typical or non-study atypical antipsychotic; 4) disenrollment; 5) disenrollment due to death; 6) end of exposure episode; or 7) end of query period (September 30, 2015). Only the first valid exposure episode that occurred during the study period was included per patient.

<u>Outcome of Interest</u>: Stroke was defined using ICD-9-CM diagnosis codes flagged as a primary diagnosis in an inpatient encounter. Any outcomes that occurred on the day of exposure initiation were excluded from the analysis. For a list of diagnosis codes used to define the outcome, please see Appendix F.



#### Overview - Report 6 of 6

Propensity Score Estimation: The following covariates were assessed during the baseline period and were included in the propensity score: age, year, sex, comorbidity score, health service utilization, drug utilization, the following medical conditions: acute myocardial infarction, diabetes, heart failure, hypercholesterolemia, hypertension, kidney failure (acute or chronic), obesity, transient ischemic attack, atrial fibrillation or atrial flutter, cancer (excluding non-melanoma cancer), peripheral vascular disease, coagulation defects, and cardiovascular disease, the following psychiatric conditions: anxiety, bipolar disorder, depression, posttraumatic stress disorder, schizophrenia/psychotic disorder, and substance abuse, and use of the following drugs: angiotensin-converting-enzyme (ACE) inhibitor, antiarrhythmic, beta-blocker, statin, oral anticoagulant, non-oral anticoagulant, angiotensin receptor blocker, antiplatelet, diuretic, and pre-index SSRI/fluoxetine use categorized into 3 levels of duration (1-60 days, 61-120 days, 121-184 days). For a list of covariates and codes used to defined covariates, please see Appendices G, H, and I. Occurrences of these covariates were evaluated in the 183 days prior to exposure initiation. The Propensity Score Matching (PSM) tool was used to calculate the propensity scores and identify matched cohorts based on propensity scores. Propensity score estimation and matching was performed separately within each Data Partner site.

<u>Matching</u>: The matching ratio for the propensity score was 1:1. Patients in the exposed and comparator cohorts were nearest neighbor matched without replacement, meaning that each comparator patient was matched one time, at most, to an exposed patient. The matching caliper was 0.050.

<u>Effect Estimates and Subgroup Analyses</u>: For each comparison, Cox proportional hazards regression models were used to estimate hazard ratios, and corresponding 95% confidence intervals for the unmatched analyses and the 1:1 unconditional matched analyses. Pre-index SSRI/fluoxetine use was additionally adjusted in all models.

#### See Appendix J for the specifications of parameters used in this request.

<u>Limitations</u>: As with all observational studies, this evaluation was limited in its ability to control for all sources of potential bias. Also, the exposures, outcome, exclusions, episode truncation criteria, and covariates may have been misclassified due to imperfect algorithms used to identify them.

**Notes:** Please contact the Sentinel Operations Center Query Fulfillment Team (qf@sentinelsystem.org) for questions and to provide comments/suggestions for future enhancements to this document.



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# Glossary of Terms for Analyses Using Cohort Identification and Descriptive Analysis (CIDA) Tool\*

**Amount Supplied** - number of units (pills, tablets, vials) dispensed. Net amount per NDC per dispensing. This is equivalent to the "RxAmt" value in the Sentinel Common Data Model.

**Blackout Period** - number of days at the beginning of a treatment episode that events are to be ignored. If an event occurs during the blackout period, the episode is excluded.

Care Setting - type of medical encounter or facility where the exposure, event, or condition code was recorded. Possible care settings include: Inpatient Hospital Stay (IP), Non-Acute Institutional Stay (IS), Emergency Department (ED), Ambulatory Visit (AV), and Other Ambulatory Visit (OA). For laboratory results, possible care settings include: Emergency department (E), Home (H), Inpatient (I), Outpatient (O), or Unknown or Missing (U). Along with the Principal Diagnosis Indicator, forms the Care Setting/PDX parameter.

**Ambulatory Visit (AV)** - includes visits at outpatient clinics, same-day surgeries, urgent care visits, and other same-day ambulatory hospital encounters, but excludes emergency department encounters.

**Emergency Department (ED)** - includes ED encounters that become inpatient stays (in which case inpatient stays would be a separate encounter). Excludes urgent care visits.

**Inpatient Hospital Stay (IP)** - includes all inpatient stays, same-day hospital discharges, hospital transfers, and acute hospital care where the discharge is after the admission date.

**Non-Acute Institutional Stay (IS)** - includes hospice, skilled nursing facility (SNF), rehab center, nursing home, residential, overnight non-hospital dialysis and other non-hospital stays.

**Other Ambulatory Visit (OA)** - includes other non overnight AV encounters such as hospice visits, home health visits, skilled nursing facility visits, other non-hospital visits, as well as telemedicine, telephone and email consultations.

**Cohort Definition (drug/exposure)** - indicates how the cohort will be defined: (1) 01: Cohort includes only the first valid treatment episode during the query period; (2) 02: Cohort includes all valid treatment episodes during the query period; (3) 03: Cohort includes all valid treatment episodes during the query period until an event occurs.

Days Supplied - number of days supplied for all dispensings in qualifying treatment episodes.

**Episodes -** treatment episodes; length of episode is determined by days supplied in one dispensing or consecutive dispensings bridged by the episode gap.

**Eligible Members** - number of members eligible for an incident treatment episode (defined by the drug/exposure and event washout periods) with drug and medical coverage during the query period.

Enrollment Gap - number of days allowed between two consecutive enrollment periods without breaking a "continuously enrolled" sequence.

**Episode Gap** - number of days allowed between two (or more) consecutive exposures (dispensings/procedures) to be considered the same treatment episode.

**Event Deduplication** - specifies how events are counted by the MP algorithm: (0) 0: Counts all occurrences of an HOI during an exposure episode; (1) 1: de-duplicates occurrences of the same HOI code and code type on the same day; (2) 2: de-duplicates occurrences of the same HOI group on the same day (e.g., de-duplicates at the group level).

**Exposure Extension Period** - number of days post treatment period in which the outcomes/events are counted for a treatment episode.

Exposure Episode Length - number of days after exposure initiation that is considered "exposed time."

**Lookback Period (pre-existing condition) -** number of days wherein a member is required to have evidence of pre-existing condition (diagnosis/procedure/drug dispensing).

**Member-Years** - sum of all days of enrollment with medical and drug coverage\*\* in the query period preceded by an exposure washout period all divided by 365.25.

Minimum Days Supplied - specifies a minimum number of days in length of the days supplied for the episode to be considered.

Minimum Episode Duration - specifies a minimum number of days in length of the episode for it to be considered.

**Principal Diagnosis (PDX)** - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. 'P' = principal diagnosis, 'S' = secondary diagnosis, 'X' = unspecified diagnosis, '.' = blank. Along with the Care Setting values, forms the Caresetting/PDX parameter.

**Query Period** - period in which the modular program looks for exposures and outcomes of interest.



**Treatment Episode Truncation Indicator** - indicates whether observation of the incident query code during follow-up requires truncation of valid treatment episodes. A value of Y indicates that the treatment episodes should be truncated at the first occurrence of an incident query code. A value of N indicates that the treatment episodes should not be truncated at the occurrence of the incident query code.

**Users** - number of members with exposure during the query period. Member must have no evidence of exposure(s) of interest (defined by incidence criteria) in the prior washout period. A user may only be counted once in a query period.

**Washout Period (drug/exposure)\*\*** - number of days a user is required to have no evidence of prior exposure (drug dispensing/procedure) and continuous drug and medical coverage prior to an incident treatment episode.

**Washout Period (event/outcome)\*\*** - number of days a user is required to have no evidence of a prior event (procedure/diagnosis) and continuous drug and medical coverage prior to an incident treatment episode.

Years at Risk - number of days supplied plus any episode gaps and exposure extension periods all divided by 365.25.

- \*all terms may not be used in this report
- \*\*incident treatment episodes must be incident to both the exposure and the event



# Glossary of Terms for Analyses Using Propensity Score Matching (PSM) Tool\*

**Covariate** - requester defined binary variable to include in the propensity score estimation model (e.g., diabetes, heart failure, etc.) during requester-defined lookback period. Requester may also choose to add any of the following categorical, continuous, or count metrics to the propensity score estimation model:

- 1. Age (continuous)
- 2. Sex
- 3. Time period (i.e., monitoring period for sequential analyses)
- 4. Year of exposure
- 5. Comorbidity score
- 6. Medical utilization number of inpatient stays
- 7. Medical utilization number of institutional stays
- 8. Medical utilization number of emergency department visits
- 9. Medical utilization number of outpatient visits
- 10. Health care utilization number of other ambulatory encounters (e.g., telemedicine, email consults)
- 11. Drug utilization number of dispensings
- 12. Drug utilization number of unique generics dispensed
- 13. Drug Utilization number of unique drug classes dispensed

**Covariate Evaluation Window** - specified number of days relative to index date to evaluate the occurrence of covariates of interest. Note: members are required to have continuous enrollment during the covariate evaluation window, regardless of the value included in the "Continuous enrollment before exposure" field.

Mahalanobis Distance - provides a measure of balance across all variables while accounting for their correlation.

**Matching Caliper** - maximum allowed difference in propensity scores between treatment and control patients. Requester may select any caliper (e.g., 0.01, 0.025, and 0.05).

Matching Ratio - patients in exposed and comparator groups are nearest neighbor matched by a 1:1 or 1:n (up to 10) matching ratio.

**Matched Conditional and Unconditional Analysis** - in a conditional matched analysis, a Cox model, stratified by Data Partner site and matched set, is run on the matched population. This can be done for both the both 1:1 and 1:n matched cohorts. In an unconditional analysis, a Cox model, stratified by Data Partner site only, is run on the matched population. This can be done for the 1:1 matched cohort only.

**Propensity Score Stratification** - option to stratify propensity scores based on requester-defined percentiles in the unmatched population. In a stratified analysis, a Cox model, stratified by Data Partner site, is run on the stratified population. Note that all patients identified in exposure and comparator cohorts are used in the analysis.

**PSM Tool** - performs effect estimation by comparing exposure propensity-score matched parallel new user cohorts. Propensity score estimation and matching are conducted within each Sentinel Data Partner site via distributed programming code; data are returned to the SOC, aggregated, and used to calculate effect estimates.

**Subgroup Analysis** - may be conducted using any requester-defined covariates. Subgroup analyses may be performed in the unmatched and the matched population.

**Zero Cell Correction** - indicator for whether to screen variables with a zero correction added to each cell in the confounder/outcome 2x2 table. Recommended when the number of exposed outcomes is fewer than 150.

\*all terms may not be used in this report



	01	Medical F		Florenskins	Covariate	Dalance
Characteristic	Olanzapine + N/Mean	%/Std Dev <sup>1</sup>	Z-hypnotic + N/Mean	%/Std Dev <sup>1</sup>	Absolute	Standardize
Patients (N)	13,290	100.0%	83,817	100.0%	Difference	Differenc
Demographics	13,290	100.0%	03,017	100.0%	-	
	40.2	12.7	45.4	11.6	4.020	0.20
Mean age	40.3	12.7	45.1	11.6	-4.820	-0.39
Age: 18-64	13,290	100.0%	83,817	100.0%	0	
Gender (Ambiguous)	0	0.0%	0	0.0%	0	0.00
Gender (Female)	7,619	57.3%	63,487	75.7%	-18.416	-0.398
Gender (Male)	5,671	42.7%	20,326	24.3%	18.421	0.398
Gender (Unknown)	0	0.0%	4	0.0%	-0.005	
Pre-index Fluoxetine Use:						
Fluoxetine Day Supply: 1-60 days	9,708	73.0%	34,361	41.0%	32.052	0.684
Fluoxetine Day Supply: 61-120 days	1,805	13.6%	22,806	27.2%	-13.628	-0.343
Fluoxetine Day Supply: 121-184 days	1,777	13.4%	26,650	31.8%	-18.425	-0.452
Combined comorbidity index, CCI <sup>2</sup> :						
Prior Combined Comorbidity Raw Score	0.8	1.2	0.5	1.3	0.320	0.259
Recorded history of medical conditions <sup>3</sup> :						
Atrial Fibrillation and Flutter	68	0.5%	547	0.7%	-0.141	-0.019
Acute Myocardial Infarction	94	0.7%	774	0.9%	-0.216	-0.024
Cancer	215	1.6%	2,549	3.0%	-1.423	-0.094
Coagulation Defects	25	0.2%	214	0.3%	-0.067	-0.014
Diabetes	622	4.7%	5,479	6.5%	-1.857	-0.081
Heart Failure	99	0.7%	749	0.9%	-0.149	-0.016
Hypercholesterolemia	1,176	8.8%	9,239	11.0%	-2.174	-0.073
Hypertension	1,679	12.6%	11,564	13.8%	-1.163	-0.034
Kidney Failure	125	0.9%	1,173	1.4%	-0.459	-0.043
Obesity	539	4.1%	4,188	5.0%	-0.941	-0.045
Other Cardiovascular Disease	95	0.7%	878	1.0%	-0.333	-0.036
Peripheral Vascular Disease	78	0.6%	625	0.7%	-0.159	-0.020
Transient Ischemic Attack	15	0.1%	137	0.2%	-0.051	-0.014
Anxiety	3,634	27.3%	12,697	15.1%	12.195	0.302
Bipolar	2,312	17.4%	2,663	3.2%	14.219	0.481
Depression	5,461	41.1%	22,008	26.3%	14.834	0.318
Posttraumatic Stress Disorder	417	3.1%	1,091	1.3%	1.836	0.125
Schizophrenia	672	5.1%	443	0.5%	4.528	0.277
Substance Abuse	1,905	14.3%	3,623	4.3%	10.012	0.349
History of use <sup>4</sup> :						
Angiotensin-converting-enzyme (ACE) Inhibitors	1,050	7.9%	9,106	10.9%	-2.963	-0.102
Angiotensin Receptor Blockers	451	3.4%	4,270	5.1%	-1.701	-0.084
Antiarrhythmics	39	0.3%	404	0.5%	-0.189	-0.030
Antiplatelets	135	1.0%	1,133	1.4%	-0.336	-0.031
Beta Blockers	1,145	8.6%	8,701	10.4%	-1.765	-0.060
Diuretics	905	6.8%	8,978	10.7%	-3.902	-0.138
Non-oral Anticoagulant	74	0.6%	798	1.0%	-0.395	-0.046
Oral Anticoagulant	115	0.9%	1,302	1.6%	-0.688	-0.063
Statins	1,376	10.4%	14,001	16.7%	-6.351	-0.186
Health Service Utilization Intensity:	,		·			
Mean number of ambulatory encounters (AV)	8.8	9.7	8.2	8.8	0.677	0.07
Mean number of emergency room encounters (ED)	0.5	1.3	0.3	1	0.222	0.19
Mean number of inpatient hospital encounters (IP)	0.2	0.6	0.1	0.5	0.077	0.14
Mean number of non-acute institutional encounters (IS)	0.1	0.3	0.1	0.4	0.024	0.070
Mean number of other ambulatory encounters (OA)	1.5	3.3	1.7	3.8	-0.229	-0.06
• • • • •						
Mean number of filled prescriptions	13.6	13.5	15.8	13.6	-2.222	-0.16
Mean number of generics	5.9	4.9	6.7	4.7	-0.748	-0.15
Mean number of unique drug classes	5.4	4.2	6.1	4.1	-0.710	-0.17

<sup>&</sup>lt;sup>1</sup>Value represents standard deviation where no % follows the value

<sup>&</sup>lt;sup>2</sup>See https://www.ncbi.nlm.nih.gov/pubmed/21208778

<sup>&</sup>lt;sup>3</sup>Medical Conditions defined as >= 1 procedure/diagonsis code in IP, ED, or IS setting or >=2 procedure/diagonsis codes (on separate dates) in AV or OA settings in

previous 183 days.
\*Drug Use defined as at least 1 dispensing in the previous 183 days. Additional diagnostic and procedural codes (from any care setting) were used to identify anticoagulant use.



Characteristic	Olanzapine +	Medical Pr	Z-hypnotic +	Eluovetine	Covariate	Dalance
Characteristic	N/Mean	%/Std Dev <sup>1</sup>	N/Mean	%/Std Dev <sup>1</sup>	Absolute Difference	Standardized
Patients (N)	12,197	91.8%	12,197	14.6%	-	Difference
Demographics	,		,			
Mean age	40.7	12.7	40.7	12.0	0.065	0.005
Age: 18-64	12,197	100.0%	12,197	100.0%	0	
Gender (Ambiguous)	0	0.0%	0	0.0%	0	
Gender (Female)	7,175	58.8%	7,107	58.3%	0.558	0.013
Gender (Male)	5,022	41.2%	5,090	41.7%	-0.558	-0.013
Gender (Unknown)	0	0.0%	0	0.0%	0	
Pre-index SSRI Use:						
Fluoxetine Day Supply: 1-60 days	9,034	74.1%	5,686	46.6%	27.449	0.585
Fluoxetine Day Supply: 61-120 days	1,566	12.8%	3,208	26.3%	-13.462	-0.344
Fluoxetine Day Supply: 121-184 days	1,597	13.1%	3,303	27.1%	-13.987	-0.355
Combined comorbidity index, CCI <sup>2</sup> :						
Prior Combined Comorbidity Raw Score	0.8	1.2	0.8	1.4	-0.025	-0.020
Recorded history of medical conditions <sup>3</sup> :			_			
Atrial Fibrillation and Flutter	64	0.5%	74	0.6%	-0.082	-0.011
Acute Myocardial Infarction	92	0.8%	101	0.8%	-0.074	-0.008
Cancer	204	1.7%	237	1.9%	-0.271	-0.020
Coagulation Defects	23	0.2%	29	0.2%	-0.049	-0.011
Diabetes	592	4.9%	592	4.9%	0	C
Heart Failure	88	0.7%	90	0.7%	-0.016	-0.002
Hypercholesterolemia	1,128	9.2%	1,119	9.2%	0.074	0.003
Hypertension	1,551	12.7%	1,576	12.9%	-0.205	-0.006
Kidney Failure	114	0.9%	123	1.0%	-0.074	-0.008
Obesity	483	4.0%	511	4.2%	-0.230	-0.012
Other Cardiovascular Disease	89	0.7%	81	0.7%	0.066	0.008
Peripheral Vascular Disease	74	0.6%	86	0.7%	-0.098	-0.012
Transient Ischemic Attack	15	0.1%	10	0.1%	0.041	0.013
Anxiety	3,084	25.3%	3,178	26.1%	-0.771	-0.018
Bipolar	1,740	14.3%	1,667	13.7%	0.599	0.017
Depression	4,674	38.3%	4,818	39.5%	-1.181	-0.024
Posttraumatic Stress Disorder	315	2.6%	328	2.7%	-0.107	-0.007
Schizophrenia	346	2.8%	311	2.5%	0.287	0.018
Substance Abuse	1,372	11.2%	1,374	11.3%	-0.016	-0.001
History of use:						
Angiotensin-converting-enzyme (ACE) Inhibitors	1,015	8.3%	1,019	8.4%	-0.033	-0.001
Angiotensin Receptor Blockers	447	3.7%	459	3.8%	-0.098	-0.005
Antiarrhythmics	37	0.3%	38	0.3%	-0.008	-0.001
Antiplatelets	130	1.1%	113	0.9%	0.139	0.014
Beta Blockers	1,066	8.7%	1,053	8.6%	0.107	0.004
Diuretics	842	6.9%	859	7.0%	-0.139	-0.005
Non-oral Anticoagulant	73	0.6%	70	0.6%	0.025	0.003
Oral Anticoagulant	110	0.9%	124	1.0%	-0.115	-0.012
Statins	1,337	11.0%	1,348	11.1%	-0.090	-0.003
Health Service Utilization Intensity:						
Mean number of ambulatory encounters (AV)	8.6	9.4	8.7	9.2	-0.098	-0.011
Mean number of emergency room encounters (ED)	0.5	1.2	0.5	1.4	0.002	0.001
Mean number of inpatient hospital encounters (IP)	0.2	0.6	0.2	0.5	0	0.001
Mean number of non-acute institutional encounters (IS)	0.1	0.3	0.1	0.3	-0.002	-0.006
Mean number of other ambulatory encounters (OA)	1.5	3.3	1.5	3.7	-0.001	(
Mean number of filled prescriptions	13.9	13.7	14	12.4	-0.121	-0.009
Mean number of generics	6	4.9	6	4.4	-0.047	-0.010
Mean number of unique drug classes	5.5	4.3	5.5	3.9	-0.059	-0.014

<sup>&</sup>lt;sup>1</sup>Value represents standard deviation where no % follows the value

<sup>&</sup>lt;sup>2</sup>See https://www.ncbi.nlm.nih.gov/pubmed/21208778

Medical Conditions defined as >= 1 procedure/diagonsis code in IP, ED, or IS setting or >=2 procedure/diagonsis codes (on separate dates) in AV or OA settings in previous 183 days.
"Drug Use defined as at least 1 dispensing in the previous 183 days. Additional diagnostic and procedural codes (from any care setting) were used to identify

anticoagulant use.



Table 2: Effect Estimates for Olanzapine versus Z-Hypnotics with Adjustment for Baseline Fluoxetine Use, by Analysis Type

Medical Product	Number of New Users	Person Years at Risk	Average Person Days at Risk	Average Person Years at Risk	Number of Events	Incidence Rate per 1000 Person Years	Risk per 1000 New Users	Incidence Rate Difference per 1000 Person Years	Difference in Risk per 1000 New Users	Hazard Ratio (95% CI)	Wald P-Value
Unmatched Analysis (Site	Unmatched Analysis (Site-adjusted)										
Olanzapine + Fluoxetine	13,290	4,031.10	110.79	0.30	7	1.74	0.53	0.59	0.23	1.88 ( 0.78, 4.56)	0.1619
Z-hypnotic + Fluoxetine	83,817	21,898.77	95.43	0.26	25	1.14	0.30	0.33	0.23	1.00 ( 0.70, 4.30)	0.1013
1:1 Matched Uncondition	al Predefined A	nalysis; Caliper=	0.05								
Olanzapine + Fluoxetine	12,197	3,716.62	111.30	0.30	7	1.88	0.57	0.83	0.33	2.07 ( 0.51, 8.44)	0.3087
Z-hypnotic + Fluoxetine	12,197	2,858.66	85.61	0.23	3	1.05	0.25	0.83	0.33	2.07 ( 0.51,  0.44)	0.3087



# Dates of Available Data for Each Data Partner (DP) up to Request End Date (9/30/2015) as of Query Distribution Date

Data Partner (Masked)	Start Date	End Date
DP01	1/1/2008	9/30/2015
DP02	=	-
DP03	1/1/2006	9/30/2015
DP04	-	-
DP05	-	-
DP06	1/1/2000	9/30/2015
DP07	-	-
DP08	=	-
DP09	6/1/2007	9/30/2015
DP10	-	-
DP11	-	-
DP12	-	-
DP13	1/1/2000	9/30/2015
DP14	-	-
DP15	1/1/2008	9/30/2015
DP16	-	-



# Appendix A: List of Generic and Brand Names used to Define Olanzapine

Generic Name	Brand Name
OLANZAPINE	olanzapine
OLANZAPINE	Zyprexa
OLANZAPINE	Zyprexa Zydis
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
OLANZAPINE/FLUOXETINE HCL	Symbyax



# Appendix B: List of Generic and Brand Names used to Define Z-hypnotics

Generic Name	Brand Name
ESZOPICLONE	eszopiclone
ESZOPICLONE	Lunesta
ZALEPLON	Sonata
ZALEPLON	zaleplon
ZOLPIDEM TARTRATE	Ambien CR
ZOLPIDEM TARTRATE	zolpidem
ZOLPIDEM TARTRATE	Ambien
ZOLPIDEM TARTRATE	Edluar
ZOLPIDEM TARTRATE	Zolpimist
ZOLPIDEM TARTRATE	AMBIEN PAK
ZOLPIDEM TARTRATE	Intermezzo



# Appendix C: List of NDCs used to define baseline SSRI use

Generic Name	Brand Name
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	Prozac
FLUOXETINE HCL	Prozac Weekly
FLUOXETINE HCL	Rapiflux
FLUOXETINE HCL	Sarafem
FLUOXETINE HCL	Selfemra
FLUOXETINE HCL/DIETARY SUPPLEMENT, MISC COMB17	Gaboxetine
FLUOXETINE HCL/DIETARY SUPPLEMENT, MISC. COMBO8	Sentroxatine
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
OLANZAPINE/FLUOXETINE HCL	Symbyax



# Appendix D: List of Diagnosis Codes Used to Define Pre-existing Exclusions

Code	<b>Code Category</b>	Code Type	Description
Dementia			
290	Diagnosis	ICD-9-CM	Dementias
290.0	Diagnosis	ICD-9-CM	Senile dementia, uncomplicated
290.10	Diagnosis	ICD-9-CM	Presenile dementia, uncomplicated
290.1	Diagnosis	ICD-9-CM	Presenile dementia
290.11	Diagnosis	ICD-9-CM	Presenile dementia with delirium
290.12	Diagnosis	ICD-9-CM	Presenile dementia with delusional features
290.13	Diagnosis	ICD-9-CM	Presenile dementia with depressive features
290.20	Diagnosis	ICD-9-CM	Senile dementia with delusional features
290.2	Diagnosis	ICD-9-CM	Senile dementia with delusional or depressive features
290.21	Diagnosis	ICD-9-CM	Senile dementia with depressive features
290.3	Diagnosis	ICD-9-CM	Senile dementia with delirium
290.4	Diagnosis	ICD-9-CM	Vascular dementia
290.40	Diagnosis	ICD-9-CM	Vascular dementia, uncomplicated
290.41	Diagnosis	ICD-9-CM	Vascular dementia, with delirium
290.42	Diagnosis	ICD-9-CM	Vascular dementia, with delusions
290.43	Diagnosis	ICD-9-CM	Vascular dementia, with depressed mood
290.8	Diagnosis	ICD-9-CM	Other specified senile psychotic conditions
290.9	Diagnosis	ICD-9-CM	Unspecified senile psychotic condition
291.2	Diagnosis	ICD-9-CM	Alcohol-induced persisting dementia
292.82	Diagnosis	ICD-9-CM	Drug-induced persisting dementia
294.10	Diagnosis	ICD-9-CM	Dementia in conditions classified elsewhere without behavioral disturbance
294.1	Diagnosis	ICD-9-CM	Dementia in conditions classified elsewhere
294.11	Diagnosis	ICD-9-CM	Dementia in conditions classified elsewhere with behavioral disturbance
294.2	Diagnosis	ICD-9-CM	Dementia, unspecified
294.20	Diagnosis	ICD-9-CM	Dementia, unspecified, without behavioral disturbance
294.21	Diagnosis	ICD-9-CM	Dementia, unspecified, with behavioral disturbance
331.1	Diagnosis	ICD-9-CM	Frontotemporal dementia
331.19	Diagnosis	ICD-9-CM	Other frontotemporal dementia
331.82	Diagnosis	ICD-9-CM	Dementia with Lewy bodies
331.0	Diagnosis	ICD-9-CM	Alzheimer's disease
331.82	Diagnosis	ICD-9-CM	Dementia with Lewy bodies
331.83	Diagnosis	ICD-9-CM	Mild cognitive impairment, so stated
331.8	Diagnosis	ICD-9-CM	Other cerebral degeneration
331.7	Diagnosis	ICD-9-CM	Cerebral degeneration in diseases classified elsewhere
331.89	Diagnosis	ICD-9-CM	Other cerebral degeneration
331.2	Diagnosis	ICD-9-CM	Senile degeneration of brain
331.9	Diagnosis	ICD-9-CM	Unspecified cerebral degeneration
Stroke			



433.01	Diagnosis	ICD-9-CM	Occlusion and stenosis of basilar artery with cerebral infarction
433.11	Diagnosis	ICD-9-CM	Occlusion and stenosis of carotid artery with cerebral infarction
433.21	Diagnosis	ICD-9-CM	Occlusion and stenosis of vertebral artery with cerebral infarction
433.31	Diagnosis	ICD-9-CM	Occlusion and stenosis of multiple and bilateral precerebral arteries with cerebral infarction
433.81	Diagnosis	ICD-9-CM	Occlusion and stenosis of other specified precerebral artery with cerebral infarction
433.91	Diagnosis	ICD-9-CM	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction
434.01	Diagnosis	ICD-9-CM	Cerebral thrombosis with cerebral infarction
434.11	Diagnosis	ICD-9-CM	Cerebral embolism with cerebral infarction
434.91	Diagnosis	ICD-9-CM	Cerebral artery occlusion, unspecified, with cerebral infarction
436	Diagnosis	ICD-9-CM	Acute, but ill-defined, cerebrovascular disease
430	Diagnosis	ICD-9-CM	Subarachnoid hemorrhage
431	Diagnosis	ICD-9-CM	Intracerebral hemorrhage



# Appendix E: List of Diagnosis Codes Used to Define Outcome in this Request

Code	<b>Code Category</b>	Code Type	Description
433.01	Diagnosis	ICD-9-CM	Occlusion and stenosis of basilar artery with cerebral infarction
433.11	Diagnosis	ICD-9-CM	Occlusion and stenosis of carotid artery with cerebral infarction
433.21	Diagnosis	ICD-9-CM	Occlusion and stenosis of vertebral artery with cerebral infarction
433.31	Diagnosis	ICD-9-CM	Occlusion and stenosis of multiple and bilateral precerebral arteries with cerebral infarction
433.81	Diagnosis	ICD-9-CM	Occlusion and stenosis of other specified precerebral artery with cerebral infarction
433.91	Diagnosis	ICD-9-CM	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction
434.01	Diagnosis	ICD-9-CM	Cerebral thrombosis with cerebral infarction
434.11	Diagnosis	ICD-9-CM	Cerebral embolism with cerebral infarction
434.91	Diagnosis	ICD-9-CM	Cerebral artery occlusion, unspecified, with cerebral infarction
436	Diagnosis	ICD-9-CM	Acute, but ill-defined, cerebrovascular disease
430	Diagnosis	ICD-9-CM	Subarachnoid hemorrhage
431	Diagnosis	ICD-9-CM	Intracerebral hemorrhage



#### Appendix F: List of Covariates used in Propensity Score Estimation Model

#### Covariates

Age (continuous)<sup>3</sup>

Year of exposure
Gender
Female
Male
Pre-index Fluoxetine Use
1-60 days
61-120 days

 ${\bf 121\text{-}184~days}$  Combined comorbidity index,  ${\bf CCI}^4$ 

Medical Conditions<sup>1</sup>

AMI history

Atrial Fibrillation/Flutter

Cancer (excluding non-melanoma cancer)

Coagulation defects

Diabetes

Heart failure

Hypercholesterolemia

Hypertension

Kidney failure (acute or chronic)

Obesity

Other cardiovascular disease

Peripheral vascular disease

Transient ischemic attack (TIA)

### Psychiatric Conditions<sup>1</sup>

Anxiety

Bipolar

Depression

PTSD

Schizophrenia/psychotic disorder

Substance abuse

Drug Use Exposures<sup>2</sup>

ACE-inhibitors

Antiarrhythmics

Beta-blocker use

Statin use

Oral anticoagulant

Non-oral anticoagulant

Angiotensin receptor blockers (ARBs)

Antiplatelets

Diuretics

Health Services Utiliziation<sup>3</sup>

# inpatient stays (IP)

# non-acute institutional stays (IS)

# emergency department visits (ED)

# outpatient visits (AV)

# other ambulatory encounters (e.g. telemedicine, email consults) (OA)

#### Drug Utilization<sup>3</sup>

# dispensings

# unique generics dispensed

# unique drug classes dispensed

<sup>&</sup>lt;sup>1</sup> Medical and psychiatric conditions defined as >= 1 procedure/diagonsis code in IP, ED, or IS setting or >=2 procedure/diagonsis codes (on separate dates) in AV or OA settings in previous 183 days.

<sup>&</sup>lt;sup>2</sup> Drug use defined as at least 1 dispensing in the previous 183 days. Additional diagnostic and procedural codes were used to identify anticoagulant use.

<sup>&</sup>lt;sup>3</sup> Means and standard errors will be reported.

<sup>&</sup>lt;sup>4</sup> Gagne, J.J., Glynn, R.J., Avorn, J., Levin, R. and Schneeweiss, S., 2011. A combined comorbidity score predicted mortality in elderly patients better than existing scores. Journal of Clinical Epidemiology, 64(7), pp.749-759. https://www.ncbi.nlm.nih.gov/pubmed/21208778



# Appendix G: List of Diagnosis and Procedure Codes Used to Define Covariates in this Request

Covariate	Code	Code Category	Code Type	Description
Diabetes	249	Diagnosis	ICD-9	Secondary diabetes mellitus
Diabetes	249.0	Diagnosis	ICD-9	Secondary diabetes mellitus without mention of complication
				Secondary diabetes mellitus without mention of complication, not stated as
Diabetes	249.00	Diagnosis	ICD-9	uncontrolled, or unspecified
Diabetes	249.01	Diagnosis	ICD-9	Secondary diabetes mellitus without mention of complication, uncontrolled
Diabetes	249.1	Diagnosis	ICD-9	Secondary diabetes mellitus with ketoacidosis
				Secondary diabetes mellitus with ketoacidosis, not stated as uncontrolled, or
Diabetes	249.10	Diagnosis	ICD-9	unspecified
Diabetes	249.11	Diagnosis	ICD-9	Secondary diabetes mellitus with ketoacidosis, uncontrolled
Diabetes	249.2	Diagnosis	ICD-9	Secondary diabetes mellitus with hyperosmolarity
				Secondary diabetes mellitus with hyperosmolarity, not stated as uncontrolled, or
Diabetes	249.20	Diagnosis	ICD-9	unspecified
Diabetes	249.21	Diagnosis	ICD-9	Secondary diabetes mellitus with hyperosmolarity, uncontrolled
Diabetes	249.3	Diagnosis	ICD-9	Secondary diabetes mellitus with other coma
				Secondary diabetes mellitus with other coma, not stated as uncontrolled, or
Diabetes	249.30	Diagnosis	ICD-9	unspecified
Diabetes	249.31	Diagnosis	ICD-9	Secondary diabetes mellitus with other coma, uncontrolled
Diabetes	249.4	Diagnosis	ICD-9	Secondary diabetes mellitus with renal manifestations
				Secondary diabetes mellitus with renal manifestations, not stated as uncontrolled, or
Diabetes	249.40	Diagnosis	ICD-9	unspecified
Diabetes	249.41	Diagnosis	ICD-9	Secondary diabetes mellitus with renal manifestations, uncontrolled
Diabetes	249.5	Diagnosis	ICD-9	Secondary diabetes mellitus with ophthalmic manifestations
				Secondary diabetes mellitus with ophthalmic manifestations, not stated as
Diabetes	249.50	Diagnosis	ICD-9	uncontrolled, or unspecified
Diabetes	249.51	Diagnosis	ICD-9	Secondary diabetes mellitus with ophthalmic manifestations, uncontrolled
Diabetes	249.6	Diagnosis	ICD-9	Secondary diabetes mellitus with neurological manifestations
				Secondary diabetes mellitus with neurological manifestations, not stated as
Diabetes	249.60	Diagnosis	ICD-9	uncontrolled, or unspecified
Diabetes	249.61	Diagnosis	ICD-9	Secondary diabetes mellitus with neurological manifestations, uncontrolled
Diabetes	249.7	Diagnosis	ICD-9	Secondary diabetes mellitus with peripheral circulatory disorders
				Secondary diabetes mellitus with peripheral circulatory disorders, not stated as
Diabetes	249.70	Diagnosis	ICD-9	uncontrolled, or unspecified



Diabetes	249.71	Diagnosis	ICD-9	Secondary diabetes mellitus with peripheral circulatory disorders, uncontrolled
Diabetes	249.8	Diagnosis	ICD-9	Secondary diabetes mellitus with other specified manifestations
				Secondary diabetes mellitus with other specified manifestations, not stated as
Diabetes	249.80	Diagnosis	ICD-9	uncontrolled, or unspecified
Diabetes	249.81	Diagnosis	ICD-9	Secondary diabetes mellitus with other specified manifestations, uncontrolled
Diabetes	249.9	Diagnosis	ICD-9	Secondary diabetes mellitus with unspecified complication
				Secondary diabetes mellitus with unspecified complication, not stated as
Diabetes	249.90	Diagnosis	ICD-9	uncontrolled, or unspecified
Diabetes	249.91	Diagnosis	ICD-9	Secondary diabetes mellitus with unspecified complication, uncontrolled
Diabetes	250	Diagnosis	ICD-9	Diabetes mellitus
Diabetes	250.0	Diagnosis	ICD-9	Diabetes mellitus without mention of complication
				Diabetes mellitus without mention of complication, type II or unspecified type, not
Diabetes	250.00	Diagnosis	ICD-9	stated as uncontrolled
				Diabetes mellitus without mention of complication, type I [juvenile type], not stated
Diabetes	250.01	Diagnosis	ICD-9	as uncontrolled
				Diabetes mellitus without mention of complication, type II or unspecified type,
Diabetes	250.02	Diagnosis	ICD-9	uncontrolled
				Diabetes mellitus without mention of complication, type I [juvenile type],
Diabetes	250.03	Diagnosis	ICD-9	uncontrolled
Diabetes	250.1	Diagnosis	ICD-9	Diabetes with ketoacidosis
Diabetes	250.10	Diagnosis	ICD-9	Diabetes with ketoacidosis, type II or unspecified type, not stated as uncontrolled
Diabetes	250.11	Diagnosis	ICD-9	Diabetes with ketoacidosis, type I [juvenile type], not stated as uncontrolled
Diabetes	250.12	Diagnosis	ICD-9	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled
Diabetes	250.13	Diagnosis	ICD-9	Diabetes with ketoacidosis, type I [juvenile type], uncontrolled
Diabetes	250.2	Diagnosis	ICD-9	Diabetes with hyperosmolarity
Diabetes	250.20	Diagnosis	ICD-9	Diabetes with hyperosmolarity, type II or unspecified type, not stated as uncontrolled
Diabetes	250.20	Diagnosis	ICD-9	biabetes with hyperosinolarity, type if or unspecified type, not stated as uncontrolled
Diabetes	250.21	Diagnosis	ICD-9	Diabetes with hyperosmolarity, type I [juvenile type], not stated as uncontrolled
Diabetes	250.22	Diagnosis	ICD-9	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled
Diabetes	250.23	Diagnosis	ICD-9	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled



Diabetes	250.3	Diagnosis	ICD-9	Diabetes with other coma
Diabetes	250.30	Diagnosis	ICD-9	Diabetes with other coma, type II or unspecified type, not stated as uncontrolled
Diabetes	250.31	Diagnosis	ICD-9	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled
Diabetes	250.32	Diagnosis	ICD-9	Diabetes with other coma, type II or unspecified type, uncontrolled
Diabetes	250.33	Diagnosis	ICD-9	Diabetes with other coma, type I [juvenile type], uncontrolled
Diabetes	250.4	Diagnosis	ICD-9	Diabetes with renal manifestations
		_		Diabetes with renal manifestations, type II or unspecified type, not stated as
Diabetes	250.40	Diagnosis	ICD-9	uncontrolled
Diabetes	250.41	Diagnosis	ICD-9	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled
Diabetes	250.42	Diagnosis	ICD-9	Diabetes with renal manifestations, type II or unspecified type, uncontrolled
Diabetes	250.43	Diagnosis	ICD-9	Diabetes with renal manifestations, type I [juvenile type], uncontrolled
Diabetes	250.5	Diagnosis	ICD-9	Diabetes with ophthalmic manifestations
				Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as
Diabetes	250.50	Diagnosis	ICD-9	uncontrolled
				Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as
Diabetes	250.51	Diagnosis	ICD-9	uncontrolled
Diabetes	250.52	Diagnosis	ICD-9	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled
Diabetes	250.53	Diagnosis	ICD-9	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled
Diabetes	250.6	Diagnosis	ICD-9	Diabetes with neurological manifestations
				Diabetes with neurological manifestations, type II or unspecified type, not stated as
Diabetes	250.60	Diagnosis	ICD-9	uncontrolled
				Diabetes with neurological manifestations, type I [juvenile type], not stated as
Diabetes	250.61	Diagnosis	ICD-9	uncontrolled
Diabetes	250.62	Diagnosis	ICD-9	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled
Diabetes	250.63	Diagnosis	ICD-9	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled
Diabetes	250.7	Diagnosis	ICD-9	Diabetes with peripheral circulatory disorders
				Diabetes with peripheral circulatory disorders, type II or unspecified type, not stated
Diabetes	250.70	Diagnosis	ICD-9	as uncontrolled



Diabetes	250.71	Diagnosis	ICD-9	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled
				Diabetes with peripheral circulatory disorders, type II or unspecified type,
Diabetes	250.72	Diagnosis	ICD-9	uncontrolled
B: 1 .	250 72	5	100.0	
Diabetes	250.73	Diagnosis	ICD-9	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled
Diabetes	250.8	Diagnosis	ICD-9	Diabetes with other specified manifestations
D: 1 .	250.00	5	100.0	Diabetes with other specified manifestations, type II or unspecified type, not stated
Diabetes	250.80	Diagnosis	ICD-9	as uncontrolled
51.1.	2=0.04	<b>5</b>		Diabetes with other specified manifestations, type I [juvenile type], not stated as
Diabetes	250.81	Diagnosis	ICD-9	uncontrolled
51.1.		<b>5</b>		Diabetes with other specified manifestations, type II or unspecified type,
Diabetes	250.82	Diagnosis	ICD-9	uncontrolled
Diabetes	250.83	Diagnosis	ICD-9	Diabetes with other specified manifestations, type I [juvenile type], uncontrolled
Diabetes	250.9	Diagnosis	ICD-9	Diabetes with unspecified complication
		, and the second		Diabetes with unspecified complication, type II or unspecified type, not stated as
Diabetes	250.90	Diagnosis	ICD-9	uncontrolled
		· ·		Diabetes with unspecified complication, type I [juvenile type], not stated as
Diabetes	250.91	Diagnosis	ICD-9	uncontrolled
Diabetes	250.92	Diagnosis	ICD-9	Diabetes with unspecified complication, type II or unspecified type, uncontrolled
Diabetes	250.93	Diagnosis	ICD-9	Diabetes with unspecified complication, type I [juvenile type], uncontrolled
Diabetes	357.2	Diagnosis	ICD-9	Polyneuropathy in diabetes
Diabetes	362.0	Diagnosis	ICD-9	Diabetic retinopathy
Diabetes	362.01	Diagnosis	ICD-9	Background diabetic retinopathy
Diabetes	362.02	Diagnosis	ICD-9	Proliferative diabetic retinopathy
Diabetes	362.03	Diagnosis	ICD-9	Nonproliferative diabetic retinopathy NOS
Diabetes	362.04	Diagnosis	ICD-9	Mild nonproliferative diabetic retinopathy
Diabetes	362.05	Diagnosis	ICD-9	Moderate nonproliferative diabetic retinopathy
Diabetes	362.06	Diagnosis	ICD-9	Severe nonproliferative diabetic retinopathy
Diabetes	362.07	Diagnosis	ICD-9	Diabetic macular edema
Diabetes	366.41	Diagnosis	ICD-9	Diabetic cataract
Heart Failure	398.91	Diagnosis	ICD-9	Rheumatic heart failure (congestive)
Heart Failure	402.01	Diagnosis	ICD-9	Malignant hypertensive heart disease with heart failure



Heart Failure	402.11	Diagnosis	ICD-9	Benign hypertensive heart disease with heart failure
<b>Heart Failure</b>	402.91	Diagnosis	ICD-9	Hypertensive heart disease, unspecified, with heart failure
				Hypertensive heart and chronic kidney disease, malignant, with heart failure and
Heart Failure	404.01	Diagnosis	ICD-9	with chronic kidney disease stage I through stage IV, or unspecified
				Hypertensive heart and chronic kidney disease, malignant, with heart failure and
Heart Failure	404.03	Diagnosis	ICD-9	with chronic kidney disease stage V or end stage renal disease
				Hypertensive heart and chronic kidney disease, benign, with heart failure and with
Heart Failure	404.11	Diagnosis	ICD-9	chronic kidney disease stage I through stage IV, or unspecified
				Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic
Heart Failure	404.13	Diagnosis	ICD-9	kidney disease stage V or end stage renal disease
				Hypertensive heart and chronic kidney disease, unspecified, with heart failure and
Heart Failure	404.91	Diagnosis	ICD-9	with chronic kidney disease stage I through stage IV, or unspecified
				Hypertensive heart and chronic kidney disease, unspecified, with heart failure and
Heart Failure	404.93	Diagnosis	ICD-9	chronic kidney disease stage V or end stage renal disease
Heart Failure	428.0	Diagnosis	ICD-9	Congestive heart failure, unspecified
Heart Failure	428	Diagnosis	ICD-9	Heart failure
Heart Failure	428.1	Diagnosis	ICD-9	Left heart failure
Heart Failure	428.20	Diagnosis	ICD-9	Unspecified systolic heart failure
Heart Failure	428.2	Diagnosis	ICD-9	Systolic heart failure
Heart Failure	428.21	Diagnosis	ICD-9	Acute systolic heart failure
Heart Failure	428.22	Diagnosis	ICD-9	Chronic systolic heart failure
Heart Failure	428.23	Diagnosis	ICD-9	Acute on chronic systolic heart failure
Heart Failure	428.30	Diagnosis	ICD-9	Unspecified diastolic heart failure
Heart Failure	428.3	Diagnosis	ICD-9	Diastolic heart failure
Heart Failure	428.31	Diagnosis	ICD-9	Acute diastolic heart failure
Heart Failure	428.32	Diagnosis	ICD-9	Chronic diastolic heart failure
Heart Failure	428.33	Diagnosis	ICD-9	Acute on chronic diastolic heart failure
Heart Failure	428.40	Diagnosis	ICD-9	Unspecified combined systolic and diastolic heart failure
Heart Failure	428.4	Diagnosis	ICD-9	Combined systolic and diastolic heart failure
Heart Failure	428.41	Diagnosis	ICD-9	Acute combined systolic and diastolic heart failure
Heart Failure	428.42	Diagnosis	ICD-9	Chronic combined systolic and diastolic heart failure
Heart Failure	428.43	Diagnosis	ICD-9	Acute on chronic combined systolic and diastolic heart failure
Heart Failure	428.9	Diagnosis	ICD-9	Unspecified heart failure



Hypercholesterol				
meia	272.0	Diagnosis	ICD-9	Pure hypercholesterolemia
Hypercholesterol				
meia	272.1	Diagnosis	ICD-9	Pure hyperglyceridemia
Hypercholesterol				
meia	272.2	Diagnosis	ICD-9	Mixed hyperlipidemia
Hypercholesterol				
meia	272.3	Diagnosis	ICD-9	Hyperchylomicronemia
Hypercholesterol				
meia	272.4	Diagnosis	ICD-9	Other and unspecified hyperlipidemia
Hypertension	362.11	Diagnosis	ICD-9	Hypertensive retinopathy
Hypertension	401	Diagnosis	ICD-9	Essential hypertension
Hypertension	401.0	Diagnosis	ICD-9	Essential hypertension, malignant
Hypertension	401.1	Diagnosis	ICD-9	Essential hypertension, benign
Hypertension	401.9	Diagnosis	ICD-9	Unspecified essential hypertension
Hypertension	405.0	Diagnosis	ICD-9	Secondary hypertension, malignant
Hypertension	405	Diagnosis	ICD-9	Secondary hypertension
Hypertension	405.01	Diagnosis	ICD-9	Secondary renovascular hypertension, malignant
Hypertension	405.09	Diagnosis	ICD-9	Other secondary hypertension, malignant
Hypertension	405.1	Diagnosis	ICD-9	Secondary hypertension, benign
Hypertension	405.11	Diagnosis	ICD-9	Secondary renovascular hypertension, benign
Hypertension	405.19	Diagnosis	ICD-9	Other secondary hypertension, benign
Hypertension	405.9	Diagnosis	ICD-9	Unspecified secondary hypertension, unspecified
Hypertension	405.91	Diagnosis	ICD-9	Secondary renovascular hypertension, unspecified
Hypertension	405.99	Diagnosis	ICD-9	Other secondary hypertension, unspecified
Hypertension	437.2	Diagnosis	ICD-9	Hypertensive encephalopathy
Hypertension	402.x	Diagnosis	ICD-9	Hypertensive heart disease
Hypertension	403.x	Diagnosis	ICD-9	Hypertensive chronic kidney disease
Hypertension	404.x	Diagnosis	ICD-9	Hypertensive heart and chronic kidney disease
Hypertension	4050F	Procedure	CPT Category II	Hypertension plan of care documented as appropriate
Kidney Failure	285.21	Diagnosis	ICD-9	Anemia in chronic kidney disease
Kidney Failure	403.0	Diagnosis	ICD-9	Hypertensive chronic kidney disease, malignant
Kidney Failure	403	Diagnosis	ICD-9	Hypertensive chronic kidney disease
Kidney Failure	403.1	Diagnosis	ICD-9	Hypertensive chronic kidney disease, benign
Kidney Failure	403.9	Diagnosis	ICD-9	Hypertensive chronic kidney disease, unspecified



Kidney Failure	404	Diagnosis	ICD-9	Hypertensive heart and chronic kidney disease
Kidney Failure	404.1	Diagnosis	ICD-9	Hypertensive heart and chronic kidney disease, benign
Kidney Failure	404.9	Diagnosis	ICD-9	Hypertensive heart and chronic kidney disease, unspecified
Kidney Failure	458.21	Diagnosis	ICD-9	Hypotension of hemodialysis
Kidney Failure	584	Diagnosis	ICD-9	Acute kidney failure
Kidney Failure	584.5	Diagnosis	ICD-9	Acute kidney failure with lesion of tubular necrosis
Kidney Failure	584.6	Diagnosis	ICD-9	Acute kidney failure with lesion of renal cortical necrosis
Kidney Failure	584.7	Diagnosis	ICD-9	Acute kidney failure with lesion of medullary [papillary] necrosis
Kidney Failure	584.8	Diagnosis	ICD-9	Acute kidney failure with other specified pathological lesion in kidney
Kidney Failure	584.9	Diagnosis	ICD-9	Acute kidney failure, unspecified
Kidney Failure	585	Diagnosis	ICD-9	Chronic kidney disease (CKD)
Kidney Failure	585.1	Diagnosis	ICD-9	Chronic kidney disease, Stage I
Kidney Failure	585.2	Diagnosis	ICD-9	Chronic kidney disease, Stage II (mild)
Kidney Failure	585.3	Diagnosis	ICD-9	Chronic kidney disease, Stage III (moderate)
Kidney Failure	585.4	Diagnosis	ICD-9	Chronic kidney disease, Stage IV (severe)
Kidney Failure	585.5	Diagnosis	ICD-9	Chronic kidney disease, Stage V
Kidney Failure	585.6	Diagnosis	ICD-9	End stage renal disease
Kidney Failure	585.9	Diagnosis	ICD-9	Chronic kidney disease, unspecified
Kidney Failure	586	Diagnosis	ICD-9	Unspecified renal failure
Kidney Failure	588.81	Diagnosis	ICD-9	Secondary hyperparathyroidism (of renal origin)
Kidney Failure	588.89	Diagnosis	ICD-9	Other specified disorders resulting from impaired renal function
Kidney Failure	639.3	Diagnosis	ICD-9	Complications following abortion and ectopic and molar pregnancies, kidney failure
Kidney Failure	669.3	Diagnosis	ICD-9	Acute kidney failure following labor and delivery
				Acute kidney failure following labor and delivery, delivered, with mention of
Kidney Failure	669.32	Diagnosis	ICD-9	postpartum complication
Kidney Failure	996.56	Diagnosis	ICD-9	Mechanical complications due to peritoneal dialysis catheter
Kidney Failure	996.68	Diagnosis	ICD-9	Infection and inflammatory reaction due to peritoneal dialysis catheter
Kidney Failure	996.73	Diagnosis	ICD-9	Other complications due to renal dialysis device, implant, and graft
Kidney Failure	G8771	Procedure	HCPCS	Documentation of diagnosis of chronic kidney disease
Kidney Failure	V42.0	Diagnosis	ICD-9	Kidney replaced by transplant
Kidney Failure	V45.1	Diagnosis	ICD-9	Renal dialysis status
Kidney Failure	V56	Diagnosis	ICD-9	Encounter for dialysis and dialysis catheter care
Obesity	278.0	Diagnosis	ICD-9	Overweight and obesity
Obesity	278.00	Diagnosis	ICD-9	Obesity, unspecified



Obesity	278.01	Diagnosis	ICD-9	Morbid obesity
Obesity	278.02	Diagnosis	ICD-9	Overweight
Obesity	278.03	Diagnosis	ICD-9	Obesity hypoventilation syndrome
Obesity	783.1	Diagnosis	ICD-9	Abnormal weight gain
Obesity	793.91	Diagnosis	ICD-9	Image test inconclusive due to excess body fat
Obesity	V85.3	Diagnosis	ICD-9	Body mass index between 30-39 adult
Obesity	V85.4	Diagnosis	ICD-9	Body mass index 40 and over adult
Obesity	V85.54	Diagnosis	ICD-9	Body Mass Index, pediatric, greater than or equal to 95th percentile for age
TIA	435	Diagnosis	ICD-9	Transient cerebral ischemia
TIA	435.0	Diagnosis	ICD-9	Basilar artery syndrome
TIA	435.1	Diagnosis	ICD-9	Vertebral artery syndrome
TIA	435.2	Diagnosis	ICD-9	Subclavian steal syndrome
TIA	435.3	Diagnosis	ICD-9	Vertebrobasilar artery syndrome
TIA	435.8	Diagnosis	ICD-9	Other specified transient cerebral ischemias
TIA	435.9	Diagnosis	ICD-9	Unspecified transient cerebral ischemia
Anxiety	293.84	Diagnosis	ICD-9	Anxiety disorder in conditions classified elsewhere
Anxiety	300.0	Diagnosis	ICD-9	Anxiety, dissociative and somatoform disorders
Anxiety	300.00	Diagnosis	ICD-9	Anxiety state, unspecified
Anxiety	300.01	Diagnosis	ICD-9	Anxiety states
Anxiety	300.02	Diagnosis	ICD-9	Generalized anxiety disorder
Anxiety	300.09	Diagnosis	ICD-9	Other anxiety states
Anxiety	300.10	Diagnosis	ICD-9	Hysteria, unspecified
Anxiety	300.2	Diagnosis	ICD-9	Phobic disorders
Anxiety	300.20	Diagnosis	ICD-9	Phobia, unspecified
Anxiety	300.21	Diagnosis	ICD-9	Agoraphobia with panic disorder
Anxiety	300.22	Diagnosis	ICD-9	Agoraphobia without mention of panic attacks
Anxiety	300.23	Diagnosis	ICD-9	Social phobia
Anxiety	300.29	Diagnosis	ICD-9	Other isolated or specific phobias
Anxiety	300.3	Diagnosis	ICD-9	Obsessive-compulsive disorders
Anxiety	300.5	Diagnosis	ICD-9	Neurasthenia
Anxiety	300.89	Diagnosis	ICD-9	Other somatoform disorders
Anxiety	300.9	Diagnosis	ICD-9	Unspecified nonpsychotic mental disorder
Anxiety	308.0	Diagnosis	ICD-9	Predominant disturbance of emotions
Anxiety	308.1	Diagnosis	ICD-9	Predominant disturbance of consciousness
Anxiety	308.2	Diagnosis	ICD-9	Predominant psychomotor disturbance



Anxiety	308.3	Diagnosis	ICD-9	Other acute reactions to stress
Anxiety	308.4	Diagnosis	ICD-9	Mixed disorders as reaction to stress
Anxiety	308.9	Diagnosis	ICD-9	Unspecified acute reaction to stress
Anxiety	313.0	Diagnosis	ICD-9	Overanxious disorder
Anxiety	313.1	Diagnosis	ICD-9	Misery and unhappiness disorder
Anxiety	313.21	Diagnosis	ICD-9	Shyness disorder of childhood
Anxiety	313.22	Diagnosis	ICD-9	Introverted disorder of childhood
Anxiety	313.3	Diagnosis	ICD-9	Relationship problems
Anxiety	313.82	Diagnosis	ICD-9	Identity disorder
Anxiety	313.83	Diagnosis	ICD-9	Academic underachievement disorder
Bipolar	296.0	Diagnosis	ICD-9	Bipolar I disorder, single manic episode
Bipolar	296.00	Diagnosis	ICD-9	Bipolar I disorder, single manic episode, unspecified
Bipolar	296.01	Diagnosis	ICD-9	Bipolar I disorder, single manic episode, mild
Bipolar	296.02	Diagnosis	ICD-9	Bipolar I disorder, single manic episode, moderate
				Bipolar I disorder, single manic episode, severe, without mention of psychotic
Bipolar	296.03	Diagnosis	ICD-9	behavior
Bipolar	296.04	Diagnosis	ICD-9	Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior
Bipolar	296.05	Diagnosis	ICD-9	Bipolar I disorder, single manic episode, in partial or unspecified remission
Bipolar	296.06	Diagnosis	ICD-9	Bipolar I disorder, single manic episode, in full remission
Bipolar	296.10	Diagnosis	ICD-9	Manic disorder, recurrent episode, unspecified
Bipolar	296.11	Diagnosis	ICD-9	Manic disorder, recurrent episode, mild
Bipolar	296.12	Diagnosis	ICD-9	Manic disorder, recurrent episode, moderate
- 1/2 5 1 5 1				
Bipolar	296.13	Diagnosis	ICD-9	Manic disorder, recurrent episode, severe, without mention of psychotic behavior
Bipolar	296.14	Diagnosis	ICD-9	Manic disorder, recurrent episode, severe, specified as with psychotic behavior
Bipolar	296.15	Diagnosis	ICD-9	Manic disorder, recurrent episode, in partial or unspecified remission
Bipolar	296.16	Diagnosis	ICD-9	Manic disorder, recurrent episode, in full remission
Bipolar	296.40	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) manic, unspecified
Bipolar	296.4	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) manic
Bipolar	296.41	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) manic, mild
Bipolar	296.42	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) manic, moderate
				Bipolar I disorder, most recent episode (or current) manic, severe, without mention
Bipolar	296.43	Diagnosis	ICD-9	of psychotic behavior



				Bipolar I disorder, most recent episode (or current) manic, severe, specified as with
Bipolar	296.44	Diagnosis	ICD-9	psychotic behavior
				Bipolar I disorder, most recent episode (or current) manic, in partial or unspecified
Bipolar	296.45	Diagnosis	ICD-9	remission
Bipolar	296.46	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) manic, in full remission
Bipolar	296.50	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) depressed, unspecified
Bipolar	296.5	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current), depressed
Bipolar	296.51	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) depressed, mild
Bipolar	296.52	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) depressed, moderate
				Bipolar I disorder, most recent episode (or current) depressed, severe, without
Bipolar	296.53	Diagnosis	ICD-9	mention of psychotic behavior
				Bipolar I disorder, most recent episode (or current) depressed, severe, specified as
Bipolar	296.54	Diagnosis	ICD-9	with psychotic behavior
				Bipolar I disorder, most recent episode (or current) depressed, in partial or
Bipolar	296.55	Diagnosis	ICD-9	unspecified remission
Bipolar	296.56	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) depressed, in full remission
Bipolar	296.6	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current), mixed
Bipolar	296.60	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) mixed, unspecified
Bipolar	296.61	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) mixed, mild
Bipolar	296.62	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) mixed, moderate
				Bipolar I disorder, most recent episode (or current) mixed, severe, without mention
Bipolar	296.63	Diagnosis	ICD-9	of psychotic behavior
				Bipolar I disorder, most recent episode (or current) mixed, severe, specified as with
Bipolar	296.64	Diagnosis	ICD-9	psychotic behavior
				Bipolar I disorder, most recent episode (or current) mixed, in partial or unspecified
Bipolar	296.65	Diagnosis	ICD-9	remission
Bipolar	296.66	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) mixed, in full remission
Bipolar	296.7	Diagnosis	ICD-9	Bipolar I disorder, most recent episode (or current) unspecified
Bipolar	296.8	Diagnosis	ICD-9	Other and unspecified bipolar disorders
Bipolar	296.80	Diagnosis	ICD-9	Bipolar disorder, unspecified
Bipolar	296.81	Diagnosis	ICD-9	Atypical manic disorder
Bipolar	296.82	Diagnosis	ICD-9	Atypical depressive disorder
Bipolar	296.89	Diagnosis	ICD-9	Other and unspecified bipolar disorders
Bipolar	296.9	Diagnosis	ICD-9	Other and unspecified episodic mood disorder



Bipolar Bipolar Schizophrenia and other	296.90 296.99	Diagnosis Diagnosis	ICD-9 ICD-9	Unspecified episodic mood disorder Other specified episodic mood disorder
psychosis Schizophrenia and other	293.81	Diagnosis	ICD-9	Psychotic disorder with delusions in conditions classified elsewhere
psychosis Schizophrenia and other	293.82	Diagnosis	ICD-9	Psychotic disorder with hallucinations in conditions classified elsewhere
psychosis Schizophrenia and other	295.0	Diagnosis	ICD-9	Simple type schizophrenia
psychosis Schizophrenia and other	295.00	Diagnosis	ICD-9	Simple schizophrenia, unspecified condition
psychosis Schizophrenia and other	295.01	Diagnosis	ICD-9	Simple schizophrenia, subchronic condition
psychosis Schizophrenia and other	295.02	Diagnosis	ICD-9	Simple schizophrenia, chronic condition
psychosis Schizophrenia and other	295.03	Diagnosis	ICD-9	Simple schizophrenia, subchronic condition with acute exacerbation
psychosis Schizophrenia and other	295.04	Diagnosis	ICD-9	Simple schizophrenia, chronic condition with acute exacerbation
psychosis Schizophrenia and other	295.05	Diagnosis	ICD-9	Simple schizophrenia, in remission
psychosis Schizophrenia and other	295.1	Diagnosis	ICD-9	Disorganized type schizophrenia
psychosis	295.10	Diagnosis	ICD-9	Disorganized schizophrenia, unspecified condition



Schizophrenia				
and other				
psychosis	295.11	Diagnosis	ICD-9	Disorganized schizophrenia, subchronic condition
Schizophrenia				
and other	205.42	5.	100.0	S
psychosis	295.12	Diagnosis	ICD-9	Disorganized schizophrenia, chronic condition
Schizophrenia				
and other	205 12	Diagnasis	ICD 0	Discussional achievants authorous condition with acute augustation
psychosis	295.13	Diagnosis	ICD-9	Disorganized schizophrenia, subchronic condition with acute exacerbation
Schizophrenia and other				
psychosis	295.14	Diagnosis	ICD-9	Disorganized schizophrenia, chronic condition with acute exacerbation
Schizophrenia	233.14	Diagnosis	ICD-9	Disorganized schizophrenia, chronic condition with acute exacerbation
and other				
psychosis	295.15	Diagnosis	ICD-9	Disorganized schizophrenia, in remission
Schizophrenia	233.13	2108110313	.02 3	21301 garnized 36th 20pm etha) in Termasion
and other				
psychosis	295.20	Diagnosis	ICD-9	Catatonic schizophrenia, unspecified condition
Schizophrenia		· ·		· · · ·
and other				
psychosis	295.2	Diagnosis	ICD-9	Catatonic type schizophrenia
Schizophrenia				
and other				
psychosis	295.21	Diagnosis	ICD-9	Catatonic schizophrenia, subchronic condition
Schizophrenia				
and other				
psychosis	295.22	Diagnosis	ICD-9	Catatonic schizophrenia, chronic condition
Schizophrenia				
and other				
psychosis	295.23	Diagnosis	ICD-9	Catatonic schizophrenia, subchronic condition with acute exacerbation
Schizophrenia				
and other				
psychosis	295.24	Diagnosis	ICD-9	Catatonic schizophrenia, chronic condition with acute exacerbation



Schizophrenia				
and other psychosis	295.25	Diagnosis	ICD-9	Catatonic schizophrenia, in remission
Schizophrenia	293.23	Diagnosis	ICD-9	Catatonic scrizopinenia, in remission
and other				
psychosis	295.30	Diagnosis	ICD-9	Paranoid schizophrenia, unspecified condition
Schizophrenia		0		,
and other				
psychosis	295.3	Diagnosis	ICD-9	Paranoid type schizophrenia
Schizophrenia				
and other				
psychosis	295.31	Diagnosis	ICD-9	Paranoid schizophrenia, subchronic condition
Schizophrenia				
and other				
psychosis	295.32	Diagnosis	ICD-9	Paranoid schizophrenia, chronic condition
Schizophrenia				
and other				
psychosis	295.33	Diagnosis	ICD-9	Paranoid schizophrenia, subchronic condition with acute exacerbation
Schizophrenia				
and other		5	100.0	
psychosis	295.34	Diagnosis	ICD-9	Paranoid schizophrenia, chronic condition with acute exacerbation
Schizophrenia				
and other psychosis	295.35	Diagnosis	ICD-9	Paranoid schizophrenia, in remission
Schizophrenia	293.33	Diagnosis	ICD-9	Paranolu schizophrenia, in remission
and other				
psychosis	295.5	Diagnosis	ICD-9	Latent schizophrenia
Schizophrenia	233.3	Diagnosis	165 3	Eutent Semzophiemu
and other				
psychosis	295.50	Diagnosis	ICD-9	Latent schizophrenia, unspecified condition
Schizophrenia		J		, , ,
and other				
psychosis	295.51	Diagnosis	ICD-9	Latent schizophrenia, subchronic condition



Schizophrenia				
and other				
psychosis	295.52	Diagnosis	ICD-9	Latent schizophrenia, chronic condition
Schizophrenia				
and other	205 52	Diagnosis	ICD-9	Latent askizankania aukakania sanditian with asuta ayasankatian
psychosis Schizophrenia	295.53	Diagnosis	ICD-9	Latent schizophrenia, subchronic condition with acute exacerbation
and other				
psychosis	295.54	Diagnosis	ICD-9	Latent schizophrenia, chronic condition with acute exacerbation
Schizophrenia	233.34	Diagnosis		Euterit semzophi ema, emonie condition with dedic exacersation
and other				
psychosis	295.55	Diagnosis	ICD-9	Latent schizophrenia, in remission
Schizophrenia				
and other				
psychosis	295.80	Diagnosis	ICD-9	Other specified types of schizophrenia, unspecified condition
Schizophrenia				
and other				
psychosis	295.8	Diagnosis	ICD-9	Other specified types of schizophrenia
Schizophrenia				
and other				
psychosis	295.81	Diagnosis	ICD-9	Other specified types of schizophrenia, subchronic condition
Schizophrenia				
and other	295.82	Diagnosis	ICD-9	Other specified types of schizenbronia chronic condition
psychosis Schizophrenia	293.82	Diagnosis	ICD-9	Other specified types of schizophrenia, chronic condition
and other				
psychosis	295.83	Diagnosis	ICD-9	Other specified types of schizophrenia, subchronic condition with acute exacerbation
Schizophrenia	233.03	2146110313	.65 3	other specimed types of someophrema, substituting condition with acute exactionation
and other				
psychosis	295.84	Diagnosis	ICD-9	Other specified types of schizophrenia, chronic condition with acute exacerbation
Schizophrenia				
and other				
psychosis	295.85	Diagnosis	ICD-9	Other specified types of schizophrenia, in remission



Schizophrenia				
and other psychosis	295.90	Diagnosis	ICD-9	Unspecified schizophrenia, unspecified condition
Schizophrenia	293.90	Diagnosis	ICD-9	onspecified scriizophrenia, drispecified condition
and other				
psychosis	295.9	Diagnosis	ICD-9	Unspecified schizophrenia
Schizophrenia		8		
and other				
psychosis	295.91	Diagnosis	ICD-9	Unspecified schizophrenia, subchronic condition
Schizophrenia				
and other				
psychosis	295.92	Diagnosis	ICD-9	Unspecified schizophrenia, chronic condition
Schizophrenia				
and other				
psychosis	295.93	Diagnosis	ICD-9	Unspecified schizophrenia, subchronic condition with acute exacerbation
Schizophrenia				
and other	205.04	D'	160.0	The second Control of the second seco
psychosis	295.94	Diagnosis	ICD-9	Unspecified schizophrenia, chronic condition with acute exacerbation
Schizophrenia and other				
psychosis	295.95	Diagnosis	ICD-9	Unspecified schizophrenia, in remission
Schizophrenia	233.33	Diagnosis	ICD-9	onspecified scritzophrenia, in remission
and other				
psychosis	297	Diagnosis	ICD-9	Delusional disorders
Schizophrenia		8		
and other				
psychosis	297.0	Diagnosis	ICD-9	Paranoid state, simple
Schizophrenia				
and other				
psychosis	297.1	Diagnosis	ICD-9	Delusional disorder
Schizophrenia				
and other				
psychosis	297.2	Diagnosis	ICD-9	Paraphrenia



Schizophrenia				
and other psychosis	297.3	Diagnosis	ICD-9	Shared psychotic disorder
Schizophrenia		6		
and other				
psychosis	297.8	Diagnosis	ICD-9	Other specified paranoid states
Schizophrenia				
and other psychosis	297.9	Diagnosis	ICD-9	Unspecified paranoid state
Schizophrenia	237.3	Diagnosis	ICD-9	Onspecified paranoid state
and other				
psychosis	298	Diagnosis	ICD-9	Other nonorganic psychoses
Schizophrenia				
and other				
psychosis	298.0	Diagnosis	ICD-9	Depressive type psychosis
Schizophrenia and other				
psychosis	298.1	Diagnosis	ICD-9	Excitative type psychosis
Schizophrenia	200.2	2108.100.0	.62 5	
and other				
psychosis	298.2	Diagnosis	ICD-9	Reactive confusion
Schizophrenia				
and other	200.2	Diamonia	160.0	A suite in sure a sid in section
psychosis Schizophrenia	298.3	Diagnosis	ICD-9	Acute paranoid reaction
and other				
psychosis	298.4	Diagnosis	ICD-9	Psychogenic paranoid psychosis
Schizophrenia				
and other				
psychosis	298.8	Diagnosis	ICD-9	Other and unspecified reactive psychosis
Schizophrenia				
and other psychosis	298.9	Diagnosis	ICD-9	Unspecified psychosis
psychosis	230.3	Diagilosis	ICD-3	onspecified psychosis



Schizophrenia and other				
psychosis	V11.0	Diagnosis	ICD-9	Personal history of schizophrenia
Substance abuse	94.46	Procedure	ICD-9	Alcoholism counseling
Substance abuse	94.53	Procedure	ICD-9	Referral for alcoholism rehabilitation
Substance abuse	94.6	Procedure	ICD-9	Alcohol and drug rehabilitation and detoxification
Substance abuse	94.61	Procedure	ICD-9	Alcohol rehabilitation
Substance abuse	94.62	Procedure	ICD-9	Alcohol detoxification
Substance abuse	94.63	Procedure	ICD-9	Alcohol rehabilitation and detoxification
Substance abuse	94.67	Procedure	ICD-9	Combined alcohol and drug rehabilitation
Substance abuse	94.68	Procedure	ICD-9	Combined alcohol and drug detoxification
Substance abuse	94.69	Procedure	ICD-9	Combined alcohol and drug rehabilitation and detoxification
Substance abuse	291	Diagnosis	ICD-9	Alcohol-induced mental disorders
Substance abuse	291.0	Diagnosis	ICD-9	Alcohol withdrawal delirium
Substance abuse	291.1	Diagnosis	ICD-9	Alcohol-induced persisting amnestic disorder
Substance abuse	291.2	Diagnosis	ICD-9	Alcohol-induced persisting dementia
Substance abuse	291.3	Diagnosis	ICD-9	Alcohol-induced psychotic disorder with hallucinations
Substance abuse	291.4	Diagnosis	ICD-9	Idiosyncratic alcohol intoxication
Substance abuse	291.5	Diagnosis	ICD-9	Alcohol-induced psychotic disorder with delusions



Su	bstance abuse	291.8	Diagnosis	ICD-9	Other specified alcohol-induced mental disorders
Su	bstance abuse	291.81	Diagnosis	ICD-9	Alcohol withdrawal
Su	bstance abuse	291.82	Diagnosis	ICD-9	Alcohol induced sleep disorders
Su	bstance abuse	291.89	Diagnosis	ICD-9	Other specified alcohol-induced mental disorders
Su	bstance abuse	291.9	Diagnosis	ICD-9	Unspecified alcohol-induced mental disorders
Su	bstance abuse	292	Diagnosis	ICD-9	Drug-induced mental disorders
Su	bstance abuse	292.0	Diagnosis	ICD-9	Drug withdrawal
Su	bstance abuse	292.1	Diagnosis	ICD-9	Drug-induced psychotic disorder
Su	bstance abuse	292.11	Diagnosis	ICD-9	Drug-induced psychotic disorder with delusions
Su	bstance abuse	292.12	Diagnosis	ICD-9	Drug-induced psychotic disorder with hallucinations
Su	ıbstance abuse	292.2	Diagnosis	ICD-9	Pathological drug intoxication
Su	bstance abuse	292.8	Diagnosis	ICD-9	Other specified drug-induced mental disorders
Su	ıbstance abuse	292.81	Diagnosis	ICD-9	Drug-induced delirium
Su	ıbstance abuse	292.82	Diagnosis	ICD-9	Drug-induced persisting dementia
Su	ıbstance abuse	292.83	Diagnosis	ICD-9	Drug-induced persisting amnestic disorder
Su	ıbstance abuse	292.84	Diagnosis	ICD-9	Drug-induced mood disorder
Su	ıbstance abuse	292.85	Diagnosis	ICD-9	Drug induced sleep disorders
Su Su Su Su Su Su	abstance abuse	292.0 292.1 292.11 292.12 292.2 292.8 292.81 292.82 292.83 292.83	Diagnosis	ICD-9	Drug withdrawal  Drug-induced psychotic disorder  Drug-induced psychotic disorder with delusion  Drug-induced psychotic disorder with hallucin  Pathological drug intoxication  Other specified drug-induced mental disorder  Drug-induced delirium  Drug-induced persisting dementia  Drug-induced persisting amnestic disorder  Drug-induced mood disorder



Substance abuse	292.89	Diagnosis	ICD-9	Other specified drug-induced mental disorder
Substance abuse	292.9	Diagnosis	ICD-9	Unspecified drug-induced mental disorder
Substance abuse	303	Diagnosis	ICD-9	Alcohol dependence syndrome
Substance abuse	303.00	Diagnosis	ICD-9	Acute alcoholic intoxication, unspecified
Substance abuse	303.0	Diagnosis	ICD-9	Acute alcoholic intoxication
Substance abuse	303.01	Diagnosis	ICD-9	Acute alcoholic intoxication, continuous
Substance abuse	303.02	Diagnosis	ICD-9	Acute alcoholic intoxication, episodic
Substance abuse	303.03	Diagnosis	ICD-9	Acute alcoholic intoxication, in remission
Substance abuse	303.9	Diagnosis	ICD-9	Other and unspecified alcohol dependence
Substance abuse	303.90	Diagnosis	ICD-9	Other and unspecified alcohol dependence, unspecified
Substance abuse	303.91	Diagnosis	ICD-9	Other and unspecified alcohol dependence, continuous
Substance abuse	303.92	Diagnosis	ICD-9	Other and unspecified alcohol dependence, episodic
Substance abuse	303.93	Diagnosis	ICD-9	Other and unspecified alcohol dependence, in remission
Substance abuse	304.0	Diagnosis	ICD-9	Opioid type dependence
Substance abuse	304	Diagnosis	ICD-9	Drug dependence
Substance abuse	304.00	Diagnosis	ICD-9	Opioid type dependence, unspecified
Substance abuse	304.01	Diagnosis	ICD-9	Opioid type dependence, continuous



Substance abuse 304.02	Diagnosis	ICD-9	Opioid type dependence, episodic
Substance abuse 304.03	Diagnosis	ICD-9	Opioid type dependence, in remission
Substance abuse 304.1	Diagnosis	ICD-9	Sedative, hypnotic or anxiolytic dependence
Substance abuse 304.10	Diagnosis	ICD-9	Sedative, hypnotic or anxiolytic dependence, unspecified
Substance abuse 304.11	Diagnosis	ICD-9	Sedative, hypnotic or anxiolytic dependence, continuous
Substance abuse 304.12	Diagnosis	ICD-9	Sedative, hypnotic or anxiolytic dependence, episodic
Substance abuse 304.13	Diagnosis	ICD-9	Sedative, hypnotic or anxiolytic dependence, in remission
Substance abuse 304.2	Diagnosis	ICD-9	Cocaine dependence
Substance abuse 304.20	Diagnosis	ICD-9	Cocaine dependence, unspecified
Substance abuse 304.21	Diagnosis	ICD-9	Cocaine dependence, continuous
Substance abuse 304.22	Diagnosis	ICD-9	Cocaine dependence, episodic
Substance abuse 304.23	Diagnosis	ICD-9	Cocaine dependence, in remission
Substance abuse 304.30	Diagnosis	ICD-9	Cannabis dependence, unspecified
Substance abuse 304.3	Diagnosis	ICD-9	Cannabis dependence
Substance abuse 304.31	Diagnosis	ICD-9	Cannabis dependence, continuous
Substance abuse 304.32	Diagnosis	ICD-9	Cannabis dependence, episodic
Substance abuse 304.33	Diagnosis	ICD-9	Cannabis dependence, in remission



Substance abuse	304.4	Diagnosis	ICD-9	Amphetamine and other psychostimulant dependence
Substance abuse	304.40	Diagnosis	ICD-9	Amphetamine and other psychostimulant dependence, unspecified
Substance abuse	304.41	Diagnosis	ICD-9	Amphetamine and other psychostimulant dependence, continuous
Substance abuse	304.42	Diagnosis	ICD-9	Amphetamine and other psychostimulant dependence, episodic
Substance abuse	304.43	Diagnosis	ICD-9	Amphetamine and other psychostimulant dependence, in remission
Substance abuse	304.50	Diagnosis	ICD-9	Hallucinogen dependence, unspecified
Substance abuse	304.5	Diagnosis	ICD-9	Hallucinogen dependence
Substance abuse	304.51	Diagnosis	ICD-9	Hallucinogen dependence, continuous
Substance abuse	304.52	Diagnosis	ICD-9	Hallucinogen dependence, episodic
Substance abuse	304.53	Diagnosis	ICD-9	Hallucinogen dependence, in remission
Substance abuse	304.60	Diagnosis	ICD-9	Other specified drug dependence, unspecified
Substance abuse	304.6	Diagnosis	ICD-9	Other specified drug dependence
Substance abuse	304.61	Diagnosis	ICD-9	Other specified drug dependence, continuous
Substance abuse	304.62	Diagnosis	ICD-9	Other specified drug dependence, episodic
Substance abuse	304.63	Diagnosis	ICD-9	Other specified drug dependence, in remission
Substance abuse	304.7	Diagnosis	ICD-9	Combinations of opioid type drug with any other drug dependence
Substance abuse	304.70	Diagnosis	ICD-9	Combinations of opioid type drug with any other drug dependence, unspecified



Substance abuse	304.71	Diagnosis	ICD-9	Combinations of opioid type drug with any other drug dependence, continuous
Substance abuse	304.72	Diagnosis	ICD-9	Combinations of opioid type drug with any other drug dependence, episodic
Substance abuse	304.73	Diagnosis	ICD-9	Combinations of opioid type drug with any other drug dependence, in remission
Substance abuse	304.80	Diagnosis	ICD-9	Combinations of drug dependence excluding opioid type drug, unspecified
Substance abuse	304.8	Diagnosis	ICD-9	Combinations of drug dependence excluding opioid type drug
Substance abuse	304.81	Diagnosis	ICD-9	Combinations of drug dependence excluding opioid type drug, continuous
Substance abuse	304.82	Diagnosis	ICD-9	Combinations of drug dependence excluding opioid type drug, episodic
Substance abuse	304.83	Diagnosis	ICD-9	Combinations of drug dependence excluding opioid type drug, in remission
Substance abuse	304.90	Diagnosis	ICD-9	Unspecified drug dependence, unspecified
Substance abuse	304.9	Diagnosis	ICD-9	Unspecified drug dependence
Substance abuse	304.91	Diagnosis	ICD-9	Unspecified drug dependence, continuous
Substance abuse	304.92	Diagnosis	ICD-9	Unspecified drug dependence, episodic
Substance abuse	304.93	Diagnosis	ICD-9	Unspecified drug dependence, in remission
Substance abuse	305.00	Diagnosis	ICD-9	Nondependent alcohol abuse, unspecified
Substance abuse	305.0	Diagnosis	ICD-9	Nondependent alcohol abuse
Substance abuse	305	Diagnosis	ICD-9	Nondependent abuse of drugs
Substance abuse	305.01	Diagnosis	ICD-9	Nondependent alcohol abuse, continuous



Substance abuse	305.02	Diagnosis	ICD-9	Nondependent alcohol abuse, episodic
Substance abuse	305.03	Diagnosis	ICD-9	Nondependent alcohol abuse, in remission
Substance abuse	305.2	Diagnosis	ICD-9	Nondependent cannabis abuse
Substance abuse	305.20	Diagnosis	ICD-9	Nondependent cannabis abuse, unspecified
Substance abuse	305.21	Diagnosis	ICD-9	Nondependent cannabis abuse, continuous
Substance abuse	305.22	Diagnosis	ICD-9	Nondependent cannabis abuse, episodic
Substance abuse	305.23	Diagnosis	ICD-9	Nondependent cannabis abuse, in remission
Substance abuse	305.30	Diagnosis	ICD-9	Nondependent hallucinogen abuse, unspecified
Substance abuse	305.3	Diagnosis	ICD-9	Nondependent hallucinogen abuse
Substance abuse	305.31	Diagnosis	ICD-9	Nondependent hallucinogen abuse, continuous
Substance abuse	305.32	Diagnosis	ICD-9	Nondependent hallucinogen abuse, episodic
Substance abuse	305.33	Diagnosis	ICD-9	Nondependent hallucinogen abuse, in remission
Substance abuse	305.4	Diagnosis	ICD-9	Nondependent sedative, hypnotic or anxiolytic abuse
Substance abuse	305.40	Diagnosis	ICD-9	Nondependent sedative, hypnotic or anxiolytic abuse, unspecified
Substance abuse	305.41	Diagnosis	ICD-9	Nondependent sedative hypnotic or anxiolytic abuse, continuous
Substance abuse	305.42	Diagnosis	ICD-9	Nondependent sedative, hypnotic or anxiolytic abuse, episodic
Substance abuse	305.43	Diagnosis	ICD-9	Nondependent sedative, hypnotic or anxiolytic abuse, in remission



Substance abuse	305.5	Diagnosis	ICD-9	Nondependent opioid abuse
Substance abuse	305.50	Diagnosis	ICD-9	Nondependent opioid abuse, unspecified
Substance abuse	305.51	Diagnosis	ICD-9	Nondependent opioid abuse, continuous
Substance abuse	305.52	Diagnosis	ICD-9	Nondependent opioid abuse, episodic
Substance abuse	305.53	Diagnosis	ICD-9	Nondependent opioid abuse, in remission
Substance abuse	305.6	Diagnosis	ICD-9	Nondependent cocaine abuse
Substance abuse	305.60	Diagnosis	ICD-9	Nondependent cocaine abuse, unspecified
Substance abuse	305.61	Diagnosis	ICD-9	Nondependent cocaine abuse, continuous
Substance abuse	305.62	Diagnosis	ICD-9	Nondependent cocaine abuse, episodic
Substance abuse	305.63	Diagnosis	ICD-9	Nondependent cocaine abuse, in remission
Substance abuse	305.7	Diagnosis	ICD-9	Nondependent amphetamine or related acting sympathomimetic abuse
Substance abuse	305.70	Diagnosis	ICD-9	Nondependent amphetamine or related acting sympathomimetic abuse, unspecified
Substance abuse	305.71	Diagnosis	ICD-9	Nondependent amphetamine or related acting sympathomimetic abuse, continuous
Substance abuse	305.72	Diagnosis	ICD-9	Nondependent amphetamine or related acting sympathomimetic abuse, episodic
Substance abuse	305.73	Diagnosis	ICD-9	Nondependent amphetamine or related acting sympathomimetic abuse, in remission
Substance abuse	305.80	Diagnosis	ICD-9	Nondependent antidepressant type abuse, unspecified
Substance abuse	305.8	Diagnosis	ICD-9	Nondependent antidepressant type abuse



Substance abuse	305.81	Diagnosis	ICD-9	Nondependent antidepressant type abuse, continuous
Substance abuse	305.82	Diagnosis	ICD-9	Nondependent antidepressant type abuse, episodic
Substance abuse	305.83	Diagnosis	ICD-9	Nondependent antidepressant type abuse, in remission
Substance abuse	305.9	Diagnosis	ICD-9	Other, mixed, or unspecified nondependent drug abuse
Substance abuse	305.90	Diagnosis	ICD-9	Other, mixed, or unspecified nondependent drug abuse, unspecified
Substance abuse	305.91	Diagnosis	ICD-9	Other, mixed, or unspecified nondependent drug abuse, continuous
Substance abuse	305.92	Diagnosis	ICD-9	Other, mixed, or unspecified nondependent drug abuse, episodic
Substance abuse	305.93	Diagnosis	ICD-9	Other, mixed, or unspecified nondependent drug abuse, in remission
Substance abuse	571.0	Diagnosis	ICD-9	Alcoholic fatty liver
Substance abuse	571.1	Diagnosis	ICD-9	Acute alcoholic hepatitis
Substance abuse	571.2	Diagnosis	ICD-9	Alcoholic cirrhosis of liver
Substance abuse	571.3	Diagnosis	ICD-9	Unspecified alcoholic liver damage
Substance abuse	648.3	Diagnosis	ICD-9	Maternal drug dependence complicating pregnancy, childbirth, or the puerperium
Substance abuse	4320F	Procedure	CPT Category II	Patient counseled regarding psychosocial and pharmacologic treatment options for alcohol dependence (SUD)
Substance abuse	H0005	Procedure	HCPCS	Alcohol and/or drug services; group counseling by a clinician
Substance abuse	H0007	Procedure	HCPCS	Alcohol and/or drug services; crisis intervention (outpatient)
Substance abuse	H0008	Procedure	HCPCS	Alcohol and/or drug services; subacute detoxification (hospital inpatient)



				Alcohol and/or drug services; subacute detoxification (residential addiction program
Substance abuse	H0010	Procedure	HCPCS	inpatient)
				Alcohol and/or drug services; acute detoxification (residential addiction program
Substance abuse	H0011	Procedure	HCPCS	inpatient)
				Alcohol and/or drug services; subacute detoxification (residential addiction program
Substance abuse	H0012	Procedure	HCPCS	outpatient)
Substance abase	110012	Troccadic	1101 05	Alcohol and/or drug services; acute detoxification (residential addiction program
Substance abuse	⊔∩∩12	Procedure	HCPCS	outpatient)
Substance abuse	110013	riocedure	TICECS	outpatient)
Substance abuse	U0014	Procedure	HCPCS	Alcohol and/or drug services; ambulatory detoxification
Substance abuse	110014	riocedure	TICFCS	- · · · · · · · · · · · · · · · · · · ·
				Alcohol and/or drug services; intensive outpatient (treatment program that operates
				at least 3 hours/day and at least 3 days/week and is based on an individualized
				treatment plan), including assessment, counseling; crisis intervention, and activity
Substance abuse	H0015	Procedure	HCPCS	therapies or education
				Alcohol and/or drug services; methadone administration and/or service (provision of
Substance abuse	H0020	Procedure	HCPCS	the drug by a licensed program)
Substance abuse	H0022	Procedure	HCPCS	Alcohol and/or drug intervention service (planned facilitation)
Substance abuse	H2035	Procedure	HCPCS	Alcohol and/or other drug treatment program, per hour
		- 1		
Substance abuse	H2036	Procedure	HCPCS	Alcohol and/or other drug treatment program, per diem
Ch.ata.a.a.a.a.laa.a	T1000	Dungandung	Hebec	Alaskal and /an aukatanaa akusa samiisaa famiilu/aausala sausaalina
Substance abuse	11006	Procedure	HCPCS	Alcohol and/or substance abuse services, family/couple counseling
				Alcohol and/or substance abuse services, treatment plan development and/or
Substance abuse	T1007	Procedure	HCPCS	modification
	<b>-</b> 1000	- 1		
Substance abuse	11008	Procedure	HCPCS	Day treatment for individual alcohol and/or substance abuse services
				Meals for individuals receiving alcohol and/or substance abuse services (when meals
Substance abuse	T1010	Procedure	HCPCS	not included in the program)
Substance abuse	T1012	Procedure	HCPCS	Alcohol and/or substance abuse services, skills development
	\(CF +2	5	100.0	
Substance abuse		Diagnosis	ICD-9	Counseling on substance use and abuse
Depression	296.2	Diagnosis	ICD-9	Major depressive disorder, single episode



Depression	296.20	Diagnosis	ICD-9	Major depressive disorder, single episode, unspecified
Depression	296.21	Diagnosis	ICD-9	Major depressive disorder, single episode, mild
Depression	296.22	Diagnosis	ICD-9	Major depressive disorder, single episode, moderate
				Major depressive disorder, single episode, severe, without mention of psychotic
Depression	296.23	Diagnosis	ICD-9	behavior
				Major depressive disorder, single episode, severe, specified as with psychotic
Depression	296.24	Diagnosis	ICD-9	behavior
Depression	296.25	Diagnosis	ICD-9	Major depressive disorder, single episode, in partial or unspecified remission
Depression	296.26	Diagnosis	ICD-9	Major depressive disorder, single episode in full remission
Depression	296.3	Diagnosis	ICD-9	Major depressive disorder, recurrent episode
Depression	296.30	Diagnosis	ICD-9	Major depressive disorder, recurrent episode, unspecified
Depression	296.31	Diagnosis	ICD-9	Major depressive disorder, recurrent episode, mild
Depression	296.32	Diagnosis	ICD-9	Major depressive disorder, recurrent episode, moderate
				Major depressive disorder, recurrent episode, severe, without mention of psychotic
Depression	296.33	Diagnosis	ICD-9	behavior
				Major depressive disorder, recurrent episode, severe, specified as with psychotic
Depression	296.34	Diagnosis	ICD-9	behavior
Depression	296.35	Diagnosis	ICD-9	Major depressive disorder, recurrent episode, in partial or unspecified remission
Depression	296.36	Diagnosis	ICD-9	Major depressive disorder, recurrent episode, in full remission
Depression	300.4	Diagnosis	ICD-9	Dysthymic disorder
Depression	309.1	Diagnosis	ICD-9	Prolonged depressive reaction as adjustment reaction
Depression	311	Diagnosis	ICD-9	Depressive disorder, not elsewhere classified
PTSD	309.81	Diagnosis	ICD-9	Posttraumatic stress disorder
Anticoagulant				
(oral)	964.2	Diagnosis	ICD-9	Poisoning by anticoagulants
Anticoagulant				
(oral)	E934.2	Diagnosis	ICD-9	Anticoagulants causing adverse effect in therapeutic use
Anticoagulant				
(oral)	V58.61	Diagnosis	ICD-9	Long-term (current) use of anticoagulants



Anticoagulant				Anticoagulant management for an outpatient taking warfarin, physician review and interpretation of International Normalized Ratio (INR) testing, patient instructions, dosage adjustment (as needed), and ordering of additional tests; initial 90 days of
(oral)	99363	Procedure	CPT-4	therapy (must include a minimum of 8 INR measurements)
Anticoagulant				Anticoagulant management for an outpatient taking warfarin, physician review and interpretation of International Normalized Ratio (INR) testing, patient instructions, dosage adjustment (as needed), and ordering of additional tests; each subsequent 90
(oral) Anticoagulant	99364	Procedure	CPT-4	days of therapy (must include a minimum of 3 INR measurements)
(oral) Anticoagulant	4075F	Procedure	CPT Category II	Anticoagulant therapy prescribed at discharge (STR)
(oral) Anticoagulant	G8225	Procedure	HCPCS	Patient documented to have been prescribed an anticoagulant at discharge
(oral) Anticoagulant	G8967	Procedure	HCPCS	Warfarin or another oral anticoagulant that is FDA approved prescribed
(non-oral) Anticoagulant	289.84 99.19	Diagnosis	ICD-9	Heparin-induced thrombocytopenia [HIT] Injection of anticoagulant
(non-oral) Anticoagulant		Procedure	ICD-9	
(non-oral) Anticoagulant	85525	Procedure	CPT-4	Heparin neutralization
(non-oral) Anticoagulant	99557	Procedure	CPT-4	Home infusion of continuous anticoagulant therapy (eg, heparin), per visit
(non-oral) Anticoagulant	85520	Procedure	HCPCS	Heparin assay
(non-oral)	J1644	Procedure	HCPCS	Injection, Heparin sodium, per 1000 units
Anticoagulant (non-oral)	S9336	Procedure	HCPCS	Home infusion therapy, continuous anticoagulant infusion therapy (e.g., Heparin), administrative services, professional pharmacy services, care coordination and all necessary supplies and equipment (drugs and nursing visits coded separately), per diem



Anticoagulant (non-oral)	S9372	Procedure	HCPCS	Home therapy; intermittent anticoagulant injection therapy (e.g., Heparin); administrative services, professional pharmacy services, care coordination, and all necessary supplies and equipment (drugs and nursing visits coded separately), per diem (do not use this code for flushing of infusion devices with Heparin to maintain patency)
Atrial fibrillation/flutter	427.31	Diagnosis	ICD-9	Atrial fibrillation
Atrial fibrillation/flutter	427.3	Diagnosis	ICD-9	Atrial fibrillation and flutter
Atrial fibrillation/flutter	427.32	Diagnosis	ICD-9	Atrial flutter
Cancer (excluding non-melanoma cancer)	151	Diagnosis	ICD-9	Malignant neoplasm of stomach
Cancer (excluding non-melanoma cancer)	157	Diagnosis	ICD-9	Malignant neoplasm of pancreas
Cancer (excluding non-melanoma cancer)	162	Diagnosis	ICD-9	Malignant neoplasm of trachea bronchus and lung
Cancer (excluding non-melanoma cancer)	179	Diagnosis	ICD-9	Malignant neoplasm of uterus, part unspecified
Cancer (excluding non-melanoma cancer)	180	Diagnosis	ICD-9	Malignant neoplasm of cervix uteri



Cancer (excluding non-melanoma cancer)	g 181	Diagnosis	ICD-9	Malignant neoplasm of placenta
Cancer (excluding non-melanoma cancer)	g 182	Diagnosis	ICD-9	Malignant neoplasm of body of uterus
Cancer (excluding non-melanoma cancer)	g 183	Diagnosis	ICD-9	Malignant neoplasm of ovary and other uterine adnexa
Cancer (excluding non-melanoma cancer)	g 184	Diagnosis	ICD-9	Malignant neoplasm of other and unspecified female genital organs
Cancer (excluding non-melanoma cancer)	186	Diagnosis	ICD-9	Malignant neoplasm of testis
Cancer (excluding non-melanoma cancer)	g 188	Diagnosis	ICD-9	Malignant neoplasm of bladder
Cancer (excluding non-melanoma cancer)	g 140	Diagnosis	ICD-9	Malignant neoplasm of lip
Cancer (excluding non-melanoma cancer)	g 141	Diagnosis	ICD-9	Malignant neoplasm of tongue



Cancer (excluding non-melanoma cancer)	142	Diagnosis	ICD-9	Malignant neoplasm of major salivary glands
Cancer (excluding non-melanoma cancer)	143	Diagnosis	ICD-9	Malignant neoplasm of gum
Cancer (excluding non-melanoma cancer)	144	Diagnosis	ICD-9	Malignant neoplasm of floor of mouth
Cancer (excluding non-melanoma cancer)	145	Diagnosis	ICD-9	Malignant neoplasm of other and unspecified parts of mouth
Cancer (excluding non-melanoma cancer)	146	Diagnosis	ICD-9	Malignant neoplasm of oropharynx
Cancer (excluding non-melanoma cancer)	147	Diagnosis	ICD-9	Malignant neoplasm of nasopharynx
Cancer (excluding non-melanoma cancer)	148	Diagnosis	ICD-9	Malignant neoplasm of hypopharynx
Cancer (excluding non-melanoma cancer)	149	Diagnosis	ICD-9	Malignant neoplasm of other and ill-defined sites within the lip oral cavity and pharynx



Cancer (excluding non-melanoma cancer)	g 150	Diagnosis	ICD-9	Malignant neoplasm of esophagus
Cancer (excluding non-melanoma cancer)	g 152	Diagnosis	ICD-9	Malignant neoplasm of small intestine including duodenum
Cancer (excluding non-melanoma cancer)	g 153	Diagnosis	ICD-9	Malignant neoplasm of colon
Cancer (excluding non-melanoma cancer)	g 154	Diagnosis	ICD-9	Malignant neoplasm of rectum rectosigmoid junction and anus
Cancer (excluding non-melanoma cancer)	g 155	Diagnosis	ICD-9	Malignant neoplasm of liver and intrahepatic bile ducts
Cancer (excluding non-melanoma cancer)	g 156	Diagnosis	ICD-9	Malignant neoplasm of gallbladder and extrahepatic bile ducts
Cancer (excluding non-melanoma cancer)	g 158	Diagnosis	ICD-9	Malignant neoplasm of retroperitoneum and peritoneum
Cancer (excluding non-melanoma cancer)	g 159	Diagnosis	ICD-9	Malignant neoplasm of other and ill-defined sites within the digestive organs and peritoneum



Cancer (excluding non-melanoma cancer)	160	Diagnosis	ICD-9	Malignant neoplasm of nasal cavities middle ear and accessory sinuses
Cancer (excluding non-melanoma cancer)	161	Diagnosis	ICD-9	Malignant neoplasm of larynx
Cancer (excluding non-melanoma cancer)	163	Diagnosis	ICD-9	Malignant neoplasm of pleura
Cancer (excluding non-melanoma cancer)	164	Diagnosis	ICD-9	Malignant neoplasm of thymus heart and mediastinum
Cancer (excluding non-melanoma cancer)	165	Diagnosis	ICD-9	Malignant neoplasm of other and ill-defined sites within the respiratory system and intrathoracic organs
Cancer (excluding non-melanoma cancer)	170	Diagnosis	ICD-9	Malignant neoplasm of bone and articular cartilage
Cancer (excluding non-melanoma cancer)	3 171	Diagnosis	ICD-9	Malignant neoplasm of connective and other soft tissue
Cancer (excluding non-melanoma cancer)	174	Diagnosis	ICD-9	Malignant neoplasm of female breast



Cancer (excluding non-melanoma cancer)	g 175	Diagnosis	ICD-9	Malignant neoplasm of male breast
Cancer (excluding non-melanoma cancer)	g 176	Diagnosis	ICD-9	Kaposi's sarcoma
Cancer (excluding non-melanoma cancer)	g 185	Diagnosis	ICD-9	Malignant neoplasm of prostate
Cancer (excluding non-melanoma cancer)	g 187	Diagnosis	ICD-9	Malignant neoplasm of penis and other male genital organs
Cancer (excluding non-melanoma cancer)	g 189	Diagnosis	ICD-9	Malignant neoplasm of kidney and other and unspecified urinary organs
Cancer (excluding non-melanoma cancer)	g 190	Diagnosis	ICD-9	Malignant neoplasm of eye
Cancer (excluding non-melanoma cancer)	191	Diagnosis	ICD-9	Malignant neoplasm of brain
Cancer (excluding non-melanoma cancer)	g 192	Diagnosis	ICD-9	Malignant neoplasm of other and unspecified parts of nervous system



Cancer (excluding non-melanoma cancer)	193	Diagnosis	ICD-9	Malignant neoplasm of thyroid gland
Cancer (excluding non-melanoma cancer)	194	Diagnosis	ICD-9	Malignant neoplasm of other endocrine glands and related structures
Cancer (excluding		2108.10010		
non-melanoma cancer)	195	Diagnosis	ICD-9	Malignant neoplasm of other and ill-defined sites
Cancer (excluding non-melanoma cancer)	200	Diagnosis	ICD-9	Lymphosarcoma and reticulosarcoma and other specified malignant tumors of lymphatic tissue
Cancer (excluding non-melanoma cancer)	201	Diagnosis	ICD-9	Hodgkin's disease
Cancer (excluding non-melanoma cancer)	202	Diagnosis	ICD-9	Other malignant neoplasms of lymphoid and histiocytic tissue
Cancer (excluding non-melanoma cancer)	203	Diagnosis	ICD-9	Multiple myeloma and immunoproliferative neoplasms
Cancer (excluding non-melanoma cancer)	204	Diagnosis	ICD-9	Lymphoid leukemia
carreer,	254	2146110313	.05 5	Lymphola leakenna



Cancer (excluding non-melanoma cancer)	205	Diagnosis	ICD-9	Myeloid leukemia
Cancer (excluding non-melanoma cancer)	206	Diagnosis	ICD-9	Monocytic leukemia
Cancer (excluding non-melanoma cancer)	207	Diagnosis	ICD-9	Other specified leukemia
Cancer (excluding non-melanoma cancer)	208	Diagnosis	ICD-9	Leukemia of unspecified cell type
Cancer (excluding non-melanoma cancer)	151**	Diagnosis	ICD-9	Malignant neoplasm of stomach
Cancer (excluding non-melanoma cancer)	157**	Diagnosis	ICD-9	Malignant neoplasm of pancreas
Cancer (excluding non-melanoma cancer)	3 162**	Diagnosis	ICD-9	Malignant neoplasm of trachea bronchus and lung
Cancer (excluding non-melanoma cancer)	3 179**	Diagnosis	ICD-9	Malignant neoplasm of uterus, part unspecified



Cancer (excluding non-melanoma cancer)	180**	Diagnosis	ICD-9	Malignant neoplasm of cervix uteri
Cancer (excluding non-melanoma cancer)	181**	Diagnosis	ICD-9	Malignant neoplasm of placenta
Cancer (excluding non-melanoma cancer)	182**	Diagnosis	ICD-9	Malignant neoplasm of body of uterus
Cancer (excluding non-melanoma cancer)	183**	Diagnosis	ICD-9	Malignant neoplasm of ovary and other uterine adnexa
Cancer (excluding non-melanoma cancer)	184**	Diagnosis	ICD-9	Malignant neoplasm of other and unspecified female genital organs
Cancer (excluding non-melanoma cancer)	186**	Diagnosis	ICD-9	Malignant neoplasm of testis
Cancer (excluding non-melanoma cancer)	188**	Diagnosis	ICD-9	Malignant neoplasm of bladder
Cancer (excluding non-melanoma cancer)	140**	Diagnosis	ICD-9	Malignant neoplasm of lip



Cancer (excluding non-melanoma cancer)	141**	Diagnosis	ICD-9	Malignant neoplasm of tongue
Cancer (excluding non-melanoma cancer)	142**	Diagnosis	ICD-9	Malignant neoplasm of major salivary glands
Cancer (excluding non-melanoma cancer)	143**	Diagnosis	ICD-9	Malignant neoplasm of gum
Cancer (excluding non-melanoma cancer)	144**	Diagnosis	ICD-9	Malignant neoplasm of floor of mouth
Cancer (excluding non-melanoma cancer)	145**	Diagnosis	ICD-9	Malignant neoplasm of other and unspecified parts of mouth
Cancer (excluding non-melanoma cancer)	146**	Diagnosis	ICD-9	Malignant neoplasm of oropharynx
Cancer (excluding non-melanoma cancer)	g 147**	Diagnosis	ICD-9	Malignant neoplasm of nasopharynx
Cancer (excluding non-melanoma cancer)	148**	Diagnosis	ICD-9	Malignant neoplasm of hypopharynx



Cancer (excluding non-melanoma cancer)	149**	Diagnosis	ICD-9	Malignant neoplasm of other and ill-defined sites within the lip oral cavity and pharynx
Cancer (excluding non-melanoma cancer)	150**	Diagnosis	ICD-9	Malignant neoplasm of esophagus
Cancer (excluding non-melanoma cancer)	152**	Diagnosis	ICD-9	Malignant neoplasm of small intestine including duodenum
Cancer (excluding non-melanoma cancer)	153**	Diagnosis	ICD-9	Malignant neoplasm of colon
Cancer (excluding non-melanoma cancer)	154**	Diagnosis	ICD-9	Malignant neoplasm of rectum rectosigmoid junction and anus
Cancer (excluding non-melanoma cancer)	155**	Diagnosis	ICD-9	Malignant neoplasm of liver and intrahepatic bile ducts
Cancer (excluding non-melanoma cancer)	156**	Diagnosis	ICD-9	Malignant neoplasm of gallbladder and extrahepatic bile ducts
Cancer (excluding non-melanoma cancer)	158**	Diagnosis	ICD-9	Malignant neoplasm of retroperitoneum and peritoneum



Cancer (excluding non-melanoma cancer)	159**	Diagnosis	ICD-9	Malignant neoplasm of other and ill-defined sites within the digestive organs and peritoneum
Cancer (excluding non-melanoma cancer)	160**	Diagnosis	ICD-9	Malignant neoplasm of nasal cavities middle ear and accessory sinuses
Cancer (excluding non-melanoma cancer)	161**	Diagnosis	ICD-9	Malignant neoplasm of larynx
Cancer (excluding non-melanoma cancer)	163**	Diagnosis	ICD-9	Malignant neoplasm of pleura
Cancer (excluding non-melanoma cancer)	164**	Diagnosis	ICD-9	Malignant neoplasm of thymus heart and mediastinum
Cancer (excluding non-melanoma cancer)	165**	Diagnosis	ICD-9	Malignant neoplasm of other and ill-defined sites within the respiratory system and intrathoracic organs
Cancer (excluding non-melanoma cancer)	170**	Diagnosis	ICD-9	Malignant neoplasm of bone and articular cartilage
Cancer (excluding non-melanoma cancer)	171**	Diagnosis	ICD-9	Malignant neoplasm of connective and other soft tissue



Cancer (excluding non-melanoma cancer)	g 174**	Diagnosis	ICD-9	Malignant neoplasm of female breast
Cancer (excluding non-melanoma cancer)	g 175**	Diagnosis	ICD-9	Malignant neoplasm of male breast
Cancer (excluding non-melanoma cancer)	g 176**	Diagnosis	ICD-9	Kaposi's sarcoma
Cancer (excluding non-melanoma cancer)	g 185**	Diagnosis	ICD-9	Malignant neoplasm of prostate
Cancer (excluding non-melanoma cancer)	g 187**	Diagnosis	ICD-9	Malignant neoplasm of penis and other male genital organs
Cancer (excluding non-melanoma cancer)	g 189**	Diagnosis	ICD-9	Malignant neoplasm of kidney and other and unspecified urinary organs
Cancer (excluding non-melanoma cancer)	g 190**	Diagnosis	ICD-9	Malignant neoplasm of eye
Cancer (excluding non-melanoma cancer)	g 191**	Diagnosis	ICD-9	Malignant neoplasm of brain



Cancer (excluding non-melanoma cancer)	g 192**	Diagnosis	ICD-9	Malignant neoplasm of other and unspecified parts of nervous system
Cancer (excluding non-melanoma cancer)	g 193**	Diagnosis	ICD-9	Malignant neoplasm of thyroid gland
Cancer (excluding non-melanoma cancer)	g 194**	Diagnosis	ICD-9	Malignant neoplasm of other endocrine glands and related structures
Cancer (excluding non-melanoma cancer)	g 195**	Diagnosis	ICD-9	Malignant neoplasm of other and ill-defined sites
Cancer (excluding non-melanoma cancer)	g 200**	Diagnosis	ICD-9	Lymphosarcoma and reticulosarcoma and other specified malignant tumors of lymphatic tissue
Cancer (excluding non-melanoma cancer)	g 201**	Diagnosis	ICD-9	Hodgkin's disease
Cancer (excluding non-melanoma cancer)	g 202**	Diagnosis	ICD-9	Other malignant neoplasms of lymphoid and histiocytic tissue
Cancer (excluding non-melanoma cancer)	g 203**	Diagnosis	ICD-9	Multiple myeloma and immunoproliferative neoplasms



Cancer (excluding non-melanoma cancer)	204**	Diagnosis	ICD-9	Lymphoid leukemia
Cancer (excluding non-melanoma cancer)	205**	Diagnosis	ICD-9	Myeloid leukemia
Cancer (excluding non-melanoma cancer)	206**	Diagnosis	ICD-9	Monocytic leukemia
Cancer (excluding non-melanoma cancer)	207**	Diagnosis	ICD-9	Other specified leukemia
Cancer (excluding non-melanoma cancer)	208**	Diagnosis	ICD-9	Leukemia of unspecified cell type
Cancer (excluding non-melanoma cancer)	151*	Diagnosis	ICD-9	Malignant neoplasm of stomach
Cancer (excluding non-melanoma cancer)	157*	Diagnosis	ICD-9	Malignant neoplasm of pancreas
Cancer (excluding non-melanoma cancer)	162*	Diagnosis	ICD-9	Malignant neoplasm of trachea bronchus and lung



Cancer (excluding non-melanoma cancer)	179*	Diagnosis	ICD-9	Malignant neoplasm of uterus, part unspecified
Cancer (excluding non-melanoma cancer)	180*	Diagnosis	ICD-9	Malignant neoplasm of cervix uteri
Cancer (excluding non-melanoma cancer)	181*	Diagnosis	ICD-9	Malignant neoplasm of placenta
Cancer (excluding non-melanoma cancer)	182*	Diagnosis	ICD-9	Malignant neoplasm of body of uterus
Cancer (excluding non-melanoma cancer)	183*	Diagnosis	ICD-9	Malignant neoplasm of ovary and other uterine adnexa
Cancer (excluding non-melanoma cancer)	184*	Diagnosis	ICD-9	Malignant neoplasm of other and unspecified female genital organs
Cancer (excluding non-melanoma cancer)	186*	Diagnosis	ICD-9	Malignant neoplasm of testis
Cancer (excluding non-melanoma cancer)	188*	Diagnosis	ICD-9	Malignant neoplasm of bladder



Cancer (excluding non-melanoma cancer)	140*	Diagnosis	ICD-9	Malignant neoplasm of lip
Cancer (excluding non-melanoma cancer)	141*	Diagnosis	ICD-9	Malignant neoplasm of tongue
Cancer (excluding non-melanoma cancer)	142*	Diagnosis	ICD-9	Malignant neoplasm of major salivary glands
Cancer (excluding non-melanoma cancer)	3 143*	Diagnosis	ICD-9	Malignant neoplasm of gum
Cancer (excluding non-melanoma cancer)	3 144*	Diagnosis	ICD-9	Malignant neoplasm of floor of mouth
Cancer (excluding non-melanoma cancer)	3 145*	Diagnosis	ICD-9	Malignant neoplasm of other and unspecified parts of mouth
Cancer (excluding non-melanoma cancer)	3 146*	Diagnosis	ICD-9	Malignant neoplasm of oropharynx
Cancer (excluding non-melanoma cancer)	3 147*	Diagnosis	ICD-9	Malignant neoplasm of nasopharynx



Cancer (excluding non-melanoma cancer)	148*	Diagnosis	ICD-9	Malignant neoplasm of hypopharynx
Cancer (excluding non-melanoma cancer)	149*	Diagnosis	ICD-9	Malignant neoplasm of other and ill-defined sites within the lip oral cavity and pharynx
Cancer (excluding non-melanoma cancer)	150*	Diagnosis	ICD-9	Malignant neoplasm of esophagus
Cancer (excluding non-melanoma cancer)	152*	Diagnosis	ICD-9	Malignant neoplasm of small intestine including duodenum
Cancer (excluding non-melanoma cancer)	153*	Diagnosis	ICD-9	Malignant neoplasm of colon
Cancer (excluding non-melanoma cancer)	154*	Diagnosis	ICD-9	Malignant neoplasm of rectum rectosigmoid junction and anus
Cancer (excluding non-melanoma cancer)	155*	Diagnosis	ICD-9	Malignant neoplasm of liver and intrahepatic bile ducts
Cancer (excluding non-melanoma cancer)	156*	Diagnosis	ICD-9	Malignant neoplasm of gallbladder and extrahepatic bile ducts



Cancer (excluding non-melanoma	Ţ.			
cancer)	158*	Diagnosis	ICD-9	Malignant neoplasm of retroperitoneum and peritoneum
Cancer (excluding non-melanoma cancer)	159*	Diagnosis	ICD-9	Malignant neoplasm of other and ill-defined sites within the digestive organs and peritoneum
Cancer (excluding non-melanoma cancer)	160*	Diagnosis	ICD-9	Malignant neoplasm of nasal cavities middle ear and accessory sinuses
Cancer (excluding non-melanoma cancer)	161*	Diagnosis	ICD-9	Malignant neoplasm of larynx
Cancer (excluding non-melanoma cancer)	163*	Diagnosis	ICD-9	Malignant neoplasm of pleura
Cancer (excluding non-melanoma cancer)	164*	Diagnosis	ICD-9	Malignant neoplasm of thymus heart and mediastinum
Cancer (excluding non-melanoma cancer)	165*	Diagnosis	ICD-9	Malignant neoplasm of other and ill-defined sites within the respiratory system and intrathoracic organs
Cancer (excluding non-melanoma cancer)	3 170*	Diagnosis	ICD-9	Malignant neoplasm of bone and articular cartilage



Cancer (excluding non-melanoma cancer)	g 171*	Diagnosis	ICD-9	Malignant neoplasm of connective and other soft tissue
Cancer (excluding non-melanoma cancer)	g 174*	Diagnosis	ICD-9	Malignant neoplasm of female breast
Cancer (excluding non-melanoma cancer)	g 175*	Diagnosis	ICD-9	Malignant neoplasm of male breast
Cancer (excluding non-melanoma cancer)	g 176*	Diagnosis	ICD-9	Kaposi's sarcoma
Cancer (excluding non-melanoma cancer)	g 185*	Diagnosis	ICD-9	Malignant neoplasm of prostate
Cancer (excluding non-melanoma cancer)	g 187*	Diagnosis	ICD-9	Malignant neoplasm of penis and other male genital organs
Cancer (excluding non-melanoma cancer)	g 189*	Diagnosis	ICD-9	Malignant neoplasm of kidney and other and unspecified urinary organs
Cancer (excluding non-melanoma cancer)	g 190*	Diagnosis	ICD-9	Malignant neoplasm of eye



Cancer (excluding non-melanoma cancer)	g 191*	Diagnosis	ICD-9	Malignant neoplasm of brain
Cancer (excluding non-melanoma cancer)	g 192*	Diagnosis	ICD-9	Malignant neoplasm of other and unspecified parts of nervous system
Cancer (excluding non-melanoma cancer)	g 193*	Diagnosis	ICD-9	Malignant neoplasm of thyroid gland
Cancer (excluding non-melanoma cancer)	g 194*	Diagnosis	ICD-9	Malignant neoplasm of other endocrine glands and related structures
Cancer (excluding non-melanoma cancer)	g 195*	Diagnosis	ICD-9	Malignant neoplasm of other and ill-defined sites
Cancer (excluding non-melanoma cancer)	g 200*	Diagnosis	ICD-9	Lymphosarcoma and reticulosarcoma and other specified malignant tumors of lymphatic tissue
Cancer (excluding non-melanoma cancer)	g 201*	Diagnosis	ICD-9	Hodgkin's disease
Cancer (excluding non-melanoma cancer)	g 202*	Diagnosis	ICD-9	Other malignant neoplasms of lymphoid and histiocytic tissue



nmunoproliferative neoplasms
cell type
lobulinemia



Cancer (excluding non-melanoma cancer)	196	Diagnosis	ICD-9	Secondary and unspecified malignant neoplasm of lymph nodes
Cancer (excluding non-melanoma cancer)	197	Diagnosis	ICD-9	Secondary malignant neoplasm of respiratory and digestive systems
Cancer (excluding non-melanoma cancer)	198	Diagnosis	ICD-9	Secondary malignant neoplasm of other specified sites
Cancer (excluding non-melanoma cancer)	199	Diagnosis	ICD-9	Malignant neoplasm without specification of site
Cancer (excluding non-melanoma cancer)	196*	Diagnosis	ICD-9	Secondary and unspecified malignant neoplasm of lymph nodes
Cancer (excluding non-melanoma cancer)	197*	Diagnosis	ICD-9	Secondary malignant neoplasm of respiratory and digestive systems
Cancer (excluding non-melanoma cancer)	198*	Diagnosis	ICD-9	Secondary malignant neoplasm of other specified sites
Cancer (excluding non-melanoma cancer)	199*	Diagnosis	ICD-9	Malignant neoplasm without specification of site



Cancer (excluding non-melanoma cancer)	196**	Diagnosis	ICD-9	Secondary and unspecified malignant neoplasm of lymph nodes
Cancer (excluding non-melanoma cancer)	197**	Diagnosis	ICD-9	Secondary malignant neoplasm of respiratory and digestive systems
Cancer (excluding non-melanoma cancer)	198**	Diagnosis	ICD-9	Secondary malignant neoplasm of other specified sites
Cancer (excluding non-melanoma cancer)	199**	Diagnosis	ICD-9	Malignant neoplasm without specification of site
Cancer (excluding non-melanoma cancer)	209.2	Diagnosis	ICD-9	Malignant carcinoid tumors of other and unspecified sites
Cancer (excluding non-melanoma cancer)	209.3	Diagnosis	ICD-9	Malignant poorly differentiated neuroendocrine tumors
Cancer (excluding non-melanoma cancer)	209.7	Diagnosis	ICD-9	Secondary neuroendocrine tumors
Cancer (excluding non-melanoma cancer)	209.0	Diagnosis	ICD-9	Malignant carcinoid tumors of the small intestine



Cancer (excluding non-melanoma cancer)	g 209.1	Diagnosis	ICD-9	Malignant carcinoid tumors of the appendix, large intestine, and rectum
Cancer (excluding non-melanoma cancer)	g 209.2*	Diagnosis	ICD-9	Malignant carcinoid tumors of other and unspecified sites
Cancer (excluding non-melanoma cancer)	g 209.3*	Diagnosis	ICD-9	Malignant poorly differentiated neuroendocrine tumors
Cancer (excluding non-melanoma cancer)	g 209.7*	Diagnosis	ICD-9	Secondary neuroendocrine tumors
Cancer (excluding non-melanoma cancer)	g 209.0*	Diagnosis	ICD-9	Malignant carcinoid tumors of the small intestine
Cancer (excluding non-melanoma				
cancer) Coagulation	209.1*	Diagnosis	ICD-9	Malignant carcinoid tumors of the appendix, large intestine, and rectum
defects Coagulation	286	Diagnosis	ICD-9	Coagulation defects
defects Coagulation	286*	Diagnosis	ICD-9	Coagulation defects
defects	286**	Diagnosis	ICD-9	Coagulation defects
AMI	410.0	Diagnosis	ICD-9	Acute myocardial infarction of anterolateral wall
AMI	410	Diagnosis	ICD-9	Acute myocardial infarction
AMI	410.00	Diagnosis	ICD-9	Acute myocardial infarction of anterolateral wall, episode of care unspecified
AMI	410.01	Diagnosis	ICD-9	Acute myocardial infarction of anterolateral wall, initial episode of care



AMI AMI	410.02 410.1	Diagnosis Diagnosis	ICD-9 ICD-9	Acute myocardial infarction of anterolateral wall, subsequent episode of care Acute myocardial infarction of other anterior wall
AMI	410.10	Diagnosis	ICD-9	Acute myocardial infarction of other anterior wall, episode of care unspecified
AMI	410.11	Diagnosis	ICD-9	Acute myocardial infarction of other anterior wall, initial episode of care
AMI	410.12	Diagnosis	ICD-9	Acute myocardial infarction of other anterior wall, subsequent episode of care
AMI	410.2	Diagnosis	ICD-9	Acute myocardial infarction of inferolateral wall
AMI	410.20	Diagnosis	ICD-9	Acute myocardial infarction of inferolateral wall, episode of care unspecified
AMI	410.21	Diagnosis	ICD-9	Acute myocardial infarction of inferolateral wall, initial episode of care
AMI	410.22	Diagnosis	ICD-9	Acute myocardial infarction of inferolateral wall, subsequent episode of care
AMI	410.30	Diagnosis	ICD-9	Acute myocardial infarction of inferoposterior wall, episode of care unspecified
AMI	410.3	Diagnosis	ICD-9	Acute myocardial infarction of inferoposterior wall
AMI	410.31	Diagnosis	ICD-9	Acute myocardial infarction of inferoposterior wall, initial episode of care
AMI	410.32	Diagnosis	ICD-9	Acute myocardial infarction of inferoposterior wall, subsequent episode of care
AMI	410.40	Diagnosis	ICD-9	Acute myocardial infarction of other inferior wall, episode of care unspecified
AMI	410.4	Diagnosis	ICD-9	Acute myocardial infarction of other inferior wall
AMI	410.41	Diagnosis	ICD-9	Acute myocardial infarction of other inferior wall, initial episode of care
AMI	410.42	Diagnosis	ICD-9	Acute myocardial infarction of other inferior wall, subsequent episode of care
AMI	410.5	Diagnosis	ICD-9	Acute myocardial infarction of other lateral wall
AMI	410.50	Diagnosis	ICD-9	Acute myocardial infarction of other lateral wall, episode of care unspecified
AMI	410.51	Diagnosis	ICD-9	Acute myocardial infarction of other lateral wall, initial episode of care
	-2002	_ 126.100.0		, 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
AMI	410.52	Diagnosis	ICD-9	Acute myocardial infarction of other lateral wall, subsequent episode of care
		Ü		Acute myocardial infarction, true posterior wall infarction, episode of care
AMI	410.60	Diagnosis	ICD-9	unspecified
AMI	410.6	Diagnosis	ICD-9	Acute myocardial infarction, true posterior wall infarction
		U		, , ,



AMI	410.61	Diagnosis	ICD-9	Acute myocardial infarction, true posterior wall infarction, initial episode of care Acute myocardial infarction, true posterior wall infarction, subsequent episode of
AMI	410.62	Diagnosis	ICD-9	care
AMI	410.7	Diagnosis	ICD-9	Acute myocardial infarction, subendocardial infarction
AMI	410.70	Diagnosis	ICD-9	Acute myocardial infarction, subendocardial infarction, episode of care unspecified
AMI	410.71	Diagnosis	ICD-9	Acute myocardial infarction, subendocardial infarction, initial episode of care
AMI	410.72	Diagnosis	ICD-9	Acute myocardial infarction, subendocardial infarction, subsequent episode of care
AMI	410.8	Diagnosis	ICD-9	Acute myocardial infarction of other specified sites
	440.00	<b>5</b>	100.0	
AMI	410.80	Diagnosis	ICD-9	Acute myocardial infarction of other specified sites, episode of care unspecified
AMI	410.81	Diagnosis	ICD-9	Acute myocardial infarction of other specified sites, initial episode of care
AMI	410.82	Diagnosis	ICD-9	Acute myocardial infarction of other specified sites, subsequent episode of care
AMI	410.9	Diagnosis	ICD-9	Acute myocardial infarction, unspecified site
AMI	410.90	Diagnosis	ICD-9	Acute myocardial infarction, unspecified site, episode of care unspecified
AMI		•		•
	410.91	Diagnosis	ICD-9	Acute myocardial infarction, unspecified site, initial episode of care
AMI	410.92	Diagnosis	ICD-9	Acute myocardial infarction, unspecified site, subsequent episode of care
AMI	411	Diagnosis	ICD-9	Other acute and subacute forms of ischemic heart disease
AMI	411.0	Diagnosis	ICD-9	Postmyocardial infarction syndrome
AMI	411.1	Diagnosis	ICD-9	Intermediate coronary syndrome
AMI	411.8	Diagnosis	ICD-9	Other acute and subacute forms of ischemic heart disease
AMI	411.81	Diagnosis	ICD-9	Acute coronary occlusion without myocardial infarction
AMI	411.89	Diagnosis	ICD-9	Other acute and subacute form of ischemic heart disease
AMI	412	Diagnosis	ICD-9	Old myocardial infarction
Peripheral				
vascular disease	443.9*	Diagnosis	ICD-9	UNSPECIFIED PERIPHERAL VASCULAR DISEASE
vascular disease	445.9	บเล่นเดรเร	ICD-9	ONSPECIFIED PERIPHERAL VASCULAR DISEASE
Peripheral				
vascular disease	440	Diagnosis	ICD-9	Atherosclerosis
		•		



Peripheral vascular disease	440*	Diagnosis	ICD-9	Atherosclerosis
Peripheral vascular disease	440**	Diagnosis	ICD-9	Atherosclerosis
Peripheral vascular disease	441.2	Diagnosis	ICD-9	Thoracic aneurysm without mention of rupture
Peripheral vascular disease	441.4	Diagnosis	ICD-9	Atherosclerosis
Peripheral vascular disease	441.7	Diagnosis	ICD-9	Thoracoabdominal aneurysm, without mention of rupture
Peripheral vascular disease	441.9	Diagnosis	ICD-9	Aortic aneurysm of unspecified site without mention of rupture
Peripheral vascular disease	443.1	Diagnosis	ICD-9	Thromboangiitis obliterans [Buerger's disease]
Peripheral vascular disease	443.2	Diagnosis	ICD-9	Other arterial dissection
Peripheral vascular disease	443.8	Diagnosis	ICD-9	Other specified peripheral vascular diseases
Peripheral vascular disease	443.9	Diagnosis	ICD-9	Peripheral vascular disease, unspecified
Peripheral vascular disease	447.1	Diagnosis	ICD-9	Stricture of artery



Peripheral vascular disease	557.1	Diagnosis	ICD-9	Chronic vascular insufficiency of intestine
Peripheral vascular disease	557.9	Diagnosis	ICD-9	Unspecified vascular insufficiency of intestine
Peripheral vascular disease	V43.4	Diagnosis	ICD-9	Blood vessel replaced by other means
Peripheral vascular disease	441.2*	Diagnosis	ICD-9	Thoracic aneurysm without mention of rupture
Peripheral vascular disease	441.4*	Diagnosis	ICD-9	Atherosclerosis
Peripheral vascular disease	441.7*	Diagnosis	ICD-9	Thoracoabdominal aneurysm, without mention of rupture
Peripheral vascular disease	441.9*	Diagnosis	ICD-9	Aortic aneurysm of unspecified site without mention of rupture
Peripheral vascular disease	443.1*	Diagnosis	ICD-9	Thromboangiitis obliterans [Buerger's disease]
Peripheral vascular disease	443.2*	Diagnosis	ICD-9	Other arterial dissection
Peripheral vascular disease	443.8*	•		Other specified peripheral vascular diseases
Peripheral	447.1*	Diagnosis	ICD-9	Stricture of artery
Peripheral vascular disease  Peripheral vascular disease	441.7* 441.9* 443.1* 443.2*	Diagnosis  Diagnosis  Diagnosis  Diagnosis	ICD-9 ICD-9 ICD-9 ICD-9	Thoracoabdominal aneurysm, without mention of rupture  Aortic aneurysm of unspecified site without mention of rupture  Thromboangiitis obliterans [Buerger's disease]  Other arterial dissection  Other specified peripheral vascular diseases



Peripheral vascular disease	557.1*	Diagnosis	ICD-9	Chronic vascular insufficiency of intestine
Peripheral vascular disease	557.9*	Diagnosis	ICD-9	Unspecified vascular insufficiency of intestine
Peripheral vascular disease	V43.4*	Diagnosis	ICD-9	Blood vessel replaced by other means
Peripheral vascular disease	38.18	Procedure	ICD-9	ENDARTERECTOMY OF LOWER LIMB ARTERIES
Peripheral vascular disease	35454	Procedure	CPT-4	Transluminal balloon angioplasty, open; iliac
Peripheral vascular disease	35456	Procedure	CPT-4	Transluminal balloon angioplasty, open; femoral-popliteal
Peripheral vascular disease	35459	Procedure	CPT-4	Transluminal balloon angioplasty, open; tibioperoneal trunk and branches
Peripheral vascular disease	35470	Procedure	CPT-4	Transluminal balloon angioplasty, percutaneous; tibioperoneal trunk or branches, each vessel
Peripheral vascular disease	35473	Procedure	CPT-4	Transluminal balloon angioplasty, percutaneous; iliac
Peripheral vascular disease	35474	Procedure	CPT-4	Transluminal balloon angioplasty, percutaneous; femoral-popliteal
Peripheral vascular disease	35482	Procedure	CPT-4	Transluminal peripheral atherectomy, open; iliac



Peripheral vascular disease	35483	Procedure	CPT-4	Transluminal peripheral atherectomy, open; femoral-popliteal
Peripheral vascular disease	35492	Procedure	CPT-4	Transluminal peripheral atherectomy, percutaneous; iliac
Peripheral vascular disease	35493	Procedure	CPT-4	Transluminal peripheral atherectomy, percutaneous; femoral-popliteal
Peripheral vascular disease	35495	Procedure	CPT-4	Transluminal peripheral atherectomy, percutaneous; tibioperoneal trunk and branches
Peripheral vascular disease	37207	Procedure	CPT-4	Transcatheter placement of an intravascular stent(s) (except coronary, carotid, vertebral, iliac and lower extremity arteries), open; initial vessel
Peripheral vascular disease	37208	Procedure	CPT-4	Transcatheter placement of an intravascular stent(s) (except coronary, carotid, vertebral, iliac and lower extremity arteries), open; each additional vessel (List separately in addition to code for primary procedure)
Peripheral vascular disease	37220	Procedure	CPT-4	Revascularization, endovascular, open or percutaneous, iliac artery, unilateral, initial vessel; with transluminal angioplasty
Peripheral vascular disease	37221	Procedure	CPT-4	Revascularization, endovascular, open or percutaneous, iliac artery, unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed
Peripheral vascular disease	37222	Procedure	CPT-4	Revascularization, endovascular, open or percutaneous, iliac artery, each additional ipsilateral iliac vessel; with transluminal angioplasty (List separately in addition to code for primary procedure)
Peripheral	27222	Durand	CDT 4	Revascularization, endovascular, open or percutaneous, iliac artery, each additional ipsilateral iliac vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed (List separately in addition to code for
vascular disease	37223	Procedure	CPT-4	primary procedure)
Peripheral vascular disease	37224	Procedure	CPT-4	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal angioplasty



Peripheral				Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with atherectomy, includes angioplasty within the same vessel, when
vascular disease	37225	Procedure	CPT-4	performed  Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s),
Peripheral				unilateral; with transluminal stent placement(s), includes angioplasty within the
vascular disease	37226	Procedure	CPT-4	same vessel, when performed
Peripheral				Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal stent placement(s) and atherectomy, includes
vascular disease	37227	Procedure	CPT-4	angioplasty within the same vessel, when performed
Peripheral				Revascularization, endovascular, open or percutaneous, tibial, peroneal artery,
vascular disease	37228	Procedure	CPT-4	unilateral, initial vessel; with transluminal angioplasty
				Revascularization, endovascular, open or percutaneous, tibial, peroneal artery,
Peripheral 				unilateral, initial vessel; with atherectomy, includes angioplasty within the same
vascular disease	37229	Procedure	CPT-4	vessel, when performed
Dorinharal				Revascularization, endovascular, open or percutaneous, tibial, peroneal artery,
Peripheral vascular disease	37230	Procedure	CPT-4	unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed
vascalal alsease	37230	riocedare	Ci i i	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery,
Peripheral				unilateral, initial vessel; with transluminal stent placement(s) and atherectomy,
vascular disease	37231	Procedure	CPT-4	includes angioplasty within the same vessel, when performed
				Revascularization, endovascular, open or percutaneous, tibial/peroneal artery,
Peripheral				unilateral, each additional vessel; with transluminal angioplasty (List separately in
vascular disease	37232	Procedure	CPT-4	addition to code for primary procedure)
				Revascularization, endovascular, open or percutaneous, tibial/peroneal artery,
				unilateral, each additional vessel; with atherectomy, includes angioplasty within the
Peripheral				same vessel, when performed (List separately in addition to code for primary
vascular disease	37233	Procedure	CPT-4	procedure)
				Revascularization, endovascular, open or percutaneous, tibial/peroneal artery,
Peripheral				unilateral, each additional vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed (List separately in addition to
vascular disease	37234	Procedure	CPT-4	code for primary procedure)
vasculai uisease	31234	Troccaure	CIIT	code for printary procedure;



Peripheral vascular disease	37235	Procedure	CPT-4	unilateral, each additional vessel; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)
Peripheral vascular disease	39.25	Procedure	ICD-9	AORTA-ILIAC-FEMORAL BYPASS
Peripheral vascular disease	39.29	Procedure	ICD-9	OTHER VASCULAR SHUNT OR BYPASS
Peripheral vascular disease	35351	Procedure	CPT-4	Thromboendarterectomy, including patch graft, if performed; iliac
Peripheral vascular disease	35355	Procedure	CPT-4	Thromboendarterectomy, including patch graft, if performed; iliofemoral
Peripheral vascular disease	35361	Procedure	CPT-4	Thromboendarterectomy, including patch graft, if performed; combined aortoiliac
Peripheral vascular disease	35363	Procedure	CPT-4	Thromboendarterectomy, including patch graft, if performed; combined aortoiliofemoral
Peripheral vascular disease	35371	Procedure	CPT-4	Thromboendarterectomy, including patch graft, if performed; common femoral
Peripheral vascular disease	35372	Procedure	CPT-4	Thromboendarterectomy, including patch graft, if performed; deep (profunda) femoral
Peripheral vascular disease	35521	Procedure	CPT-4	Bypass graft, with vein; axillary-femoral
Peripheral vascular disease	35533	Procedure	CPT-4	Bypass graft, with vein; axillary-femoral-femoral

Revascularization, endovascular, open or percutaneous, tibial/peroneal artery,



Peripheral vascular disease	35541	Procedure	CPT-4	Bypass graft, with vein; aortoiliac or bi-iliac
Peripheral vascular disease	35546	Procedure	CPT-4	Bypass graft, with vein; aortofemoral or bifemoral
Peripheral vascular disease	35548	Procedure	CPT-4	Bypass graft, with vein; aortoiliofemoral, unilateral
Peripheral vascular disease	35549	Procedure	CPT-4	Bypass graft, with vein; aortoiliofemoral, bilateral
Peripheral vascular disease	35551	Procedure	CPT-4	Bypass graft, with vein; aortofemoral-popliteal
Peripheral vascular disease	35556	Procedure	CPT-4	Bypass graft, with vein; femoral-popliteal
Peripheral vascular disease	35558	Procedure	CPT-4	Bypass graft, with vein; femoral-femoral
Peripheral vascular disease	35563	Procedure	CPT-4	Bypass graft, with vein; ilioiliac
Peripheral vascular disease	35565	Procedure	CPT-4	Bypass graft, with vein; iliofemoral
Peripheral vascular disease	35566	Procedure	CPT-4	Bypass graft, with vein; femoral-anterior tibial, posterior tibial, peroneal artery or other distal vessels
Peripheral vascular disease	35570	Procedure	CPT-4	Bypass graft, with vein; tibial-tibial, peroneal-tibial, or tibial/peroneal trunk-tibial



Peripheral	0===4			
vascular disease	35571	Procedure	CPT-4	Bypass graft, with vein; popliteal-tibial, -peroneal artery or other distal vessels
Peripheral vascular disease	35681	Procedure	CPT-4	Bypass graft; composite, prosthetic and vein (List separately in addition to code for primary procedure)
Peripheral vascular disease	35682	Procedure	CPT-4	Bypass graft; autogenous composite, 2 segments of veins from 2 locations (List separately in addition to code for primary procedure)
Peripheral vascular disease	35683	Procedure	CPT-4	Bypass graft; autogenous composite, 3 or more segments of vein from 2 or more locations (List separately in addition to code for primary procedure)
Peripheral vascular disease	35879	Procedure	CPT-4	Revision, lower extremity arterial bypass, without thrombectomy, open; with vein patch angioplasty
Peripheral vascular disease	84.10	Procedure	ICD-9	LOWER LIMB AMPUTATION NOT OTHERWISE SPECIFIED
Peripheral vascular disease	84.11	Procedure	ICD-9	AMPUTATION OF TOE
Peripheral vascular disease	84.12	Procedure	ICD-9	AMPUTATION THROUGH FOOT
Peripheral vascular disease	84.13	Procedure	ICD-9	DISARTICULATION OF ANKLE
Peripheral vascular disease	84.14	Procedure	ICD-9	AMPUTATION ANKLE THROUGH MALLEOLI TIBIA&FIBULA
Peripheral vascular disease	84.15	Procedure	ICD-9	OTHER AMPUTATION BELOW KNEE



Peripheral vascular disease	84.16	Procedure	ICD-9	DISARTICULATION OF KNEE
Peripheral vascular disease	84.17	Procedure	ICD-9	AMPUTATION ABOVE KNEE
Peripheral vascular disease	27295	Procedure	CPT-4	Disarticulation of hip
Peripheral vascular disease	27590	Procedure	CPT-4	Amputation, thigh, through femur, any level;
Peripheral vascular disease	27591	Procedure	CPT-4	Amputation, thigh, through femur, any level; immediate fitting technique including first cast
Peripheral vascular disease	27592	Procedure	CPT-4	Amputation, thigh, through femur, any level; open, circular (guillotine)
Peripheral vascular disease	27598	Procedure	CPT-4	Disarticulation at knee
Peripheral vascular disease	27880	Procedure	CPT-4	Amputation, leg, through tibia and fibula;
Peripheral vascular disease	27881	Procedure	CPT-4	Amputation, leg, through tibia and fibula; with immediate fitting technique including application of first cast
Peripheral vascular disease	27882	Procedure	CPT-4	Amputation, leg, through tibia and fibula; open, circular (guillotine)
Peripheral vascular disease	27888	Procedure	CPT-4	Amputation, ankle, through malleoli of tibia and fibula (eg, Syme, Pirogoff type procedures), with plastic closure and resection of nerves



Peripheral vascular disease	27889	Procedure	CPT-4	Ankle disarticulation
Peripheral vascular disease	28800	Procedure	CPT-4	Amputation, foot; midtarsal (eg, Chopart type procedure)
Peripheral vascular disease	28805	Procedure	CPT-4	Amputation, foot; transmetatarsal
Peripheral vascular disease	28810	Procedure	CPT-4	Amputation, metatarsal, with toe, single
Peripheral vascular disease	28820	Procedure	CPT-4	Amputation, toe; metatarsophalangeal joint
Peripheral				
vascular disease	28825	Procedure	CPT-4	Amputation, toe; interphalangeal joint
Other CVD	37.22	Procedure	ICD-9	Left Heart Cardiac Catheterization
Other CVD	37.23	Procedure	ICD-9	Combined Right And Left Heart Cardiac Catheterization
Other CVD	39.28	Procedure	ICD-9	EXTRACRANIAL-INTRACRANIAL VASCULAR BYPASS
Other CVD	33510	Procedure	CPT-4	Coronary artery bypass, vein only; single coronary venous graft
Other CVD	33511	Procedure	CPT-4	Coronary artery bypass, vein only; 2 coronary venous grafts
Other CVD	33512	Procedure	CPT-4	Coronary artery bypass, vein only; 3 coronary venous grafts
Other CVD	33513	Procedure	CPT-4	Coronary artery bypass, vein only; 4 coronary venous grafts
Other CVD	33514	Procedure	CPT-4	Coronary artery bypass, vein only; 5 coronary venous grafts
Other CVD	33516	Procedure	CPT-4	Coronary artery bypass, vein only; 6 or more coronary venous grafts
				Coronary artery bypass, using venous graft(s) and arterial graft(s); single vein graft
Other CVD	33517	Procedure	CPT-4	(List separately in addition to code for primary procedure)
				Coronary artery bypass, using venous graft(s) and arterial graft(s); 2 venous grafts
Other CVD	33518	Procedure	CPT-4	(List separately in addition to code for primary procedure)
				Coronary artery bypass, using venous graft(s) and arterial graft(s); 3 venous grafts
Other CVD	33519	Procedure	CPT-4	(List separately in addition to code for primary procedure)
				Coronary Artery Bypass, Nonautogenous Graft (eg, Synthetic Or Cadaver); Single
Other CVD	33520	Procedure	CPT-4	Graft



Coronary artery bypass, using venous graft(s) and arterial graft(s); 4 venous  Other CVD 33521 Procedure CPT-4 (List separately in addition to code for primary procedure)  Coronary artery bypass, using venous graft(s) and arterial graft(s); 5 venous	_
	_
	grafts
Other CVD 33522 Procedure CPT-4 (List separately in addition to code for primary procedure)	_
Coronary artery bypass, using venous graft(s) and arterial graft(s); 6 or more	e venous
Other CVD 33523 Procedure CPT-4 grafts (List separately in addition to code for primary procedure)	
Coronary Artery Bypass, Nonautogenous Graft (eg, Synthetic Or Cadaver); T	wo
Other CVD 33525 Procedure CPT-4 Coronary Grafts	
Coronary Artery Bypass, Nonautogenous Graft (eg, Synthetic Or Cadaver); T	hree Or
Other CVD 33528 Procedure CPT-4 More Coronary Grafts	
Reoperation, coronary artery bypass procedure or valve procedure, more the	nan 1
month after original operation (List separately in addition to code for prima	ry
Other CVD 33530 Procedure CPT-4 procedure)	
Other CVD 33533 Procedure CPT-4 Coronary artery bypass, using arterial graft(s); single arterial graft	
Other CVD 33534 Procedure CPT-4 Coronary artery bypass, using arterial graft(s); 2 coronary arterial grafts	
Other CVD 33535 Procedure CPT-4 Coronary artery bypass, using arterial graft(s); 3 coronary arterial grafts	
	_
Other CVD 33536 Procedure CPT-4 Coronary artery bypass, using arterial graft(s); 4 or more coronary arterial g	rafts
Other CVD 33560 Procedure CPT-4 Myocardial Operation Combined With Coronary Bypass Procedure	
Other CVD 33570 Procedure CPT-4 CORONARY ANGIOPLASTY W/BYPASS	
Coronary endarterectomy, open, any method, of left anterior descending, o	ircumflex
or right coronary artery performed in conjunction with coronary artery byp	-
Other CVD 33572 Procedure CPT-4 procedure, each vessel (List separately in addition to primary procedure)	<b>6</b>
Other CVD 33575 Procedure CPT-4 CORON ANGIOPLSTY W/BYPASS; COMBO W/VASCULARIZAT	
Thromboendarterectomy, including patch graft, if performed; carotid, verte	bral,
Other CVD 35301 Procedure CPT-4 subclavian, by neck incision	,
Reoperation, carotid, thromboendarterectomy, more than 1 month after of	riginal
Other CVD 35390 Procedure CPT-4 operation (List separately in addition to code for primary procedure)	
Other CVD 35582 Procedure CPT-4 In-situ vein bypass; aortofemoral-popliteal (only femoral-popliteal portion i	n-situ)
Other CVD 35583 Procedure CPT-4 In-situ vein bypass; femoral-popliteal	•
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Other CVD 35585 Procedure CPT-4 In-situ vein bypass; femoral-anterior tibial, posterior tibial, or peroneal arte	ry



Other CVD	35587	Procedure	CPT-4	In-situ vein bypass; popliteal-tibial, peroneal
				Harvest of upper extremity artery, 1 segment, for coronary artery bypass procedure
Other CVD	35600	Procedure	CPT-4	(List separately in addition to code for primary procedure)
Other CVD	35601	Procedure	CPT-4	Bypass graft, with other than vein; common carotid-ipsilateral internal carotid
Other CVD	35621	Procedure	CPT-4	Bypass graft, with other than vein; axillary-femoral
Other CVD	35623	Procedure	CPT-4	Bypass graft, with other than vein; axillary-popliteal or -tibial
Other CVD	35637	Procedure	CPT-4	Bypass graft, with other than vein; aortoiliac
Other CVD	35638	Procedure	CPT-4	Bypass graft, with other than vein; aortobi-iliac
Other CVD	35641	Procedure	CPT-4	Bypass graft, with other than vein; aortoiliac or bi-iliac
Other CVD	35646	Procedure	CPT-4	Bypass graft, with other than vein; aortobifemoral
Other CVD	35647	Procedure	CPT-4	Bypass graft, with other than vein; aortofemoral
Other CVD	35651	Procedure	CPT-4	Bypass graft, with other than vein; aortofemoral-popliteal
Other CVD	35654	Procedure	CPT-4	Bypass graft, with other than vein; axillary-femoral-femoral
Other CVD	35656	Procedure	CPT-4	Bypass graft, with other than vein; femoral-popliteal
Other CVD	35661	Procedure	CPT-4	Bypass graft, with other than vein; femoral-femoral
Other CVD	35663	Procedure	CPT-4	Bypass graft, with other than vein; ilioiliac
Other CVD	35665	Procedure	CPT-4	Bypass graft, with other than vein; iliofemoral
				Bypass graft, with other than vein; femoral-anterior tibial, posterior tibial, or
Other CVD	35666	Procedure	CPT-4	peroneal artery
Other CVD	35671	Procedure	CPT-4	Bypass graft, with other than vein; popliteal-tibial or -peroneal artery
Other CVD	35901	Procedure	CPT-4	Excision of infected graft; neck
				Transcatheter placement of intravascular stent(s), cervical carotid artery, open or
				percutaneous, including angioplasty, when performed, and radiological supervision
Other CVD	37215	Procedure	CPT-4	and interpretation; with distal embolic protection
				Transcatheter placement of intravascular stent(s), cervical carotid artery, open or
				percutaneous, including angioplasty, when performed, and radiological supervision
Other CVD	37216	Procedure	CPT-4	and interpretation; without distal embolic protection
				Percutaneous transluminal coronary thrombectomy mechanical (List separately in
Other CVD	92973	Procedure	CPT-4	addition to code for primary procedure)
				Transcatheter placement of radiation delivery device for subsequent coronary
				intravascular brachytherapy (List separately in addition to code for primary
Other CVD	92974	Procedure	CPT-4	procedure)



				Transcatheter placement of an intracoronary stent(s), percutaneous, with or without
				other therapeutic intervention, any method; each additional vessel (List separately in
Other CVD	92981	Procedure	CPT-4	addition to code for primary procedure)
Other CVD	92987	Procedure	CPT-4	Percutaneous balloon valvuloplasty; mitral valve
Other CVD	00.61	Procedure	ICD-9	PERQ ANGIOPLASTY EXTRACRANIAL VES
Other CVD	00.63	Procedure	ICD-9	PERQ INSERTION CAROTID ART STENT(S)
Other CVD	00.66	Procedure	ICD-9	Percutaneous transluminal coronary angioplasty
				Transcatheter placement of extracranial vertebral artery stent(s), including radiologic
Other CVD	0075T	Procedure	CPT-3	supervision and interpretation, open or percutaneous; initial vessel
				Transcatheter placement of extracranial vertebral artery stent(s), including radiologic
				supervision and interpretation, open or percutaneous; each additional vessel (List
Other CVD	0076T	Procedure	CPT-3	separately in addition to code for primary procedure)
Other CVD	17.55	Procedure	ICD-9	Transluminal coronary atherectomy
Other CVD	36.0	Procedure	ICD-9	removal of coronary artery obstruction and insertion of stent
Other CVD	36.00	Procedure	ICD-9	removal of coronary artery obstruction and insertion of stent
Other CVD	36.01	Procedure	ICD-9	removal of coronary artery obstruction and insertion of stent
Other CVD	36.02	Procedure	ICD-9	removal of coronary artery obstruction and insertion of stent
Other CVD	36.03	Procedure	ICD-9	removal of coronary artery obstruction and insertion of stent
Other CVD	36.04	Procedure	ICD-9	removal of coronary artery obstruction and insertion of stent
Other CVD	36.05	Procedure	ICD-9	removal of coronary artery obstruction and insertion of stent
Other CVD	36.06	Procedure	ICD-9	removal of coronary artery obstruction and insertion of stent
Other CVD	36.07	Procedure	ICD-9	removal of coronary artery obstruction and insertion of stent
Other CVD	36.08	Procedure	ICD-9	removal of coronary artery obstruction and insertion of stent
Other CVD	36.09	Procedure	ICD-9	removal of coronary artery obstruction and insertion of stent
Other CVD	36.1	Procedure	ICD-9	Bypass Anastomosis For Heart Revascularization
Other CVD	36.10	Procedure	ICD-9	Bypass Anastomosis For Heart Revascularization
Other CVD	36.11	Procedure	ICD-9	Bypass Anastomosis For Heart Revascularization
Other CVD	36.12	Procedure	ICD-9	Bypass Anastomosis For Heart Revascularization
Other CVD	36.13	Procedure	ICD-9	Bypass Anastomosis For Heart Revascularization
Other CVD	36.14	Procedure	ICD-9	Bypass Anastomosis For Heart Revascularization
Other CVD	36.15	Procedure	ICD-9	Bypass Anastomosis For Heart Revascularization
Other CVD	36.16	Procedure	ICD-9	Bypass Anastomosis For Heart Revascularization
Other CVD	36.17	Procedure	ICD-9	Bypass Anastomosis For Heart Revascularization
Other CVD	36.18	Procedure	ICD-9	Bypass Anastomosis For Heart Revascularization
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Other CVD	36.19	Procedure	ICD-9	Bypass Anastomosis For Heart Revascularization
Other CVD	36.20	Procedure	ICD-9	Heart Revascularization By Arterial Implant
Other CVD	36.21	Procedure	ICD-9	Heart Revascularization By Arterial Implant
Other CVD	36.22	Procedure	ICD-9	Heart Revascularization By Arterial Implant
Other CVD	36.23	Procedure	ICD-9	Heart Revascularization By Arterial Implant
Other CVD	36.24	Procedure	ICD-9	Heart Revascularization By Arterial Implant
Other CVD	36.25	Procedure	ICD-9	Heart Revascularization By Arterial Implant
Other CVD	36.26	Procedure	ICD-9	Heart Revascularization By Arterial Implant
Other CVD	36.27	Procedure	ICD-9	Heart Revascularization By Arterial Implant
Other CVD	36.28	Procedure	ICD-9	Heart Revascularization By Arterial Implant
Other CVD	36.29	Procedure	ICD-9	Heart Revascularization By Arterial Implant
Other CVD	36.2	Procedure	ICD-9	Heart Revascularization By Arterial Implant
Other CVD	38.11	Procedure	ICD-9	ENDARTERECTOMY INTRACRANIAL VESSELS
Other CVD	38.12	Procedure	ICD-9	ENDARTERECT OTH VESSELS HEAD&NECK
Other CVD	430.*	Diagnosis	ICD-9	Subarachnoid hemorrhage
Other CVD	431.*	Diagnosis	ICD-9	Intracerebral hemorrhage
Other CVD	432.*	Diagnosis	ICD-9	Other and unspecified intracranial hemorrhage
Other CVD	433.01	Diagnosis	ICD-9	Occlusion and stenosis of basilar artery with cerebral infarction
Other CVD	433.11	Diagnosis	ICD-9	Occlusion and stenosis of carotid artery with cerebral infarction
Other CVD	433.21	Diagnosis	ICD-9	Occlusion and stenosis of vertebral artery with cerebral infarction
				Occlusion and stenosis of multiple and bilateral precerebral arteries with cerebral
Other CVD	433.31	Diagnosis	ICD-9	infarction
Other CVD	433.81	Diagnosis	ICD-9	Occlusion and stenosis of other specified precerebral artery with cerebral infarction
Other CVD	433.91	Diagnosis	ICD-9	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction
Other CVD	434.01	Diagnosis	ICD-9	Cerebral thrombosis with cerebral infarction
Other CVD	434.11	Diagnosis	ICD-9	Cerebral embolism with cerebral infarction
Other CVD	434.91	Diagnosis	ICD-9	Cerebral artery occlusion, unspecified, with cerebral infarction
Other CVD	436	Diagnosis	ICD-9	Acute, but ill-defined, cerebrovascular disease
				Subarachnoid hemorrhage following injury without mention of open intracranial
Other CVD	852.0*	Diagnosis	ICD-9	wound
Other CVD	852.2*	Diagnosis	ICD-9	Subdural hemorrhage following injury without mention of open intracranial wound



Other CVD	852.4*	Diagnosis	ICD-9	Extradural hemorrhage following injury without mention of open intracranial wound Other and unspecified intracranial hemorrhage following injury without mention of						
Other CVD	853.0*	Diagnosis	ICD-9	open intracranial wound						
0	000.0	2.0000.0	.02 5	Subarachnoid hemorrhage following injury without mention of open intracranial						
Other CVD	852.0	Diagnosis	ICD-9	wound						
		J								
Other CVD	852.2	Diagnosis	ICD-9	Subdural hemorrhage following injury without mention of open intracranial wound						
	0=0.4	<u>.</u>								
Other CVD	852.4	Diagnosis	ICD-9	Extradural hemorrhage following injury without mention of open intracranial wound						
0.1 0.45	052.0	<b>5</b>	100.0	Other and unspecified intracranial hemorrhage following injury without mention of						
Other CVD	853.0	Diagnosis	ICD-9	open intracranial wound						
Other CVD	88.5	Procedure	ICD-9	Angiocardiography Using Contrast Material						
Other CVD	88.50	Procedure	ICD-9	Angiocardiography Using Contrast Material						
Other CVD	88.51	Procedure	ICD-9	Angiocardiography Using Contrast Material						
Other CVD	88.52	Procedure	ICD-9	Angiocardiography Using Contrast Material						
Other CVD	88.53	Procedure	ICD-9	Angiocardiography Using Contrast Material						
Other CVD	88.54	Procedure	ICD-9	Angiocardiography Using Contrast Material						
Other CVD	88.55	Procedure	ICD-9	Angiocardiography Using Contrast Material						
Other CVD	88.56	Procedure	ICD-9	Angiocardiography Using Contrast Material						
Other CVD	88.57	Procedure	ICD-9	Angiocardiography Using Contrast Material						
Other CVD	88.58	Procedure	ICD-9	Angiocardiography Using Contrast Material						
Other CVD	88.59	Procedure	ICD-9	Angiocardiography Using Contrast Material						
Other CVD	92977	Procedure	CPT-4	Thrombolysis, coronary; by intravenous infusion						
				Transcatheter placement of an intracoronary stent(s), percutaneous, with or without						
Other CVD	92980	Procedure	CPT-4	other therapeutic intervention, any method; single vessel						
Other CVD	92982	Procedure	CPT-4	Percutaneous transluminal coronary balloon angioplasty; single vessel						
				Percutaneous transluminal coronary balloon angioplasty; each additional vessel (List						
Other CVD	92984	Procedure	CPT-4	separately in addition to code for primary procedure)						
				Percutaneous transluminal coronary atherectomy, by mechanical or other method,						
Other CVD	92995	Procedure	CPT-4	with or without balloon angioplasty; single vessel						
				Percutaneous transluminal coronary atherectomy, by mechanical or other method,						
				with or without balloon angioplasty; each additional vessel (List separately in						
Other CVD	92996	Procedure	CPT-4	addition to code for primary procedure)						
Other CVD	996.03	Diagnosis	ICD-9	Mechanical complication due to coronary bypass graft						



Other CVD	G0290	Procedure	HCPCS	Transcatheter placement of a drug eluting intracoronary stent(s), percutaneous, with or without other therapeutic intervention, any method; single vessel
Other CVD	G0291	Procedure	HCPCS	Transcatheter placement of a drug eluting intracoronary stent(s), percutaneous, with or without other therapeutic intervention, any method; each additional vessel Minimally invasive direct coronary artery bypass surgery involving mini-thoracotomy
Other CVD	S2205	Procedure	HCPCS	or mini-sternotomy surgery, performed under direct vision; using arterial graft(s), single coronary arterial graft  Minimally invasive direct coronary artery bypass surgery involving mini-thoracotomy or mini-sternotomy surgery, performed under direct vision; using arterial graft(s),
Other CVD	S2206	Procedure	HCPCS	two coronary arterial grafts  Minimally invasive direct coronary artery bypass surgery involving mini-thoracotomy or mini-sternotomy surgery, performed under direct vision; using venous graft only,
Other CVD	S2207	Procedure	HCPCS	single coronary venous graft  Minimally invasive direct coronary artery bypass surgery involving mini-thoracotomy or mini-sternotomy surgery, performed under direct vision; using single arterial and
Other CVD	S2208	Procedure	HCPCS	venous graft(s), single venous graft  Minimally invasive direct coronary artery bypass surgery involving mini-thoracotomy or mini-sternotomy surgery, performed under direct vision; using two arterial grafts
Other CVD	S2209	Procedure	HCPCS	and single venous graft  Transcatheter placement of intravascular stent(s), carotid artery, percutaneous,
Other CVD	S2211	Procedure	HCPCS	unilateral (if performed bilaterally, use-50 modifier)
Other CVD	V45.81	Diagnosis	ICD-9	Aortocoronary bypass status
Other CVD	V45.82	Diagnosis	ICD-9	Percutaneous transluminal coronary angioplasty status



## Appendix H: List of Generic and Brand Names used to Define Drug Covariates in this Request

Covariate	Generic Name	Brand Name
ACE-Inhibitors	BENAZEPRIL HCL	Lotensin
ACE-Inhibitors	CAPTOPRIL	captopril
ACE-Inhibitors	ENALAPRIL MALEATE	Vasotec
ACE-Inhibitors	LISINOPRIL	Zestril
ACE-Inhibitors	LISINOPRIL/HYDROCHLOROTHIAZIDE	Prinzide
ACE-Inhibitors	LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
ACE-Inhibitors	QUINAPRIL HCL	Accupril
ACE-Inhibitors	FOSINOPRIL SODIUM	Monopril
ACE-Inhibitors	RAMIPRIL	Altace
ACE-Inhibitors	ENALAPRIL MALEATE	enalapril maleate
ACE-Inhibitors	ENALAPRIL MALEATE/FELODIPINE	Lexxel
ACE-Inhibitors	CAPTOPRIL	Capoten
ACE-Inhibitors	LISINOPRIL	lisinopril
ACE-Inhibitors	LISINOPRIL	Prinivil
ACE-Inhibitors	CAPTOPRIL/HYDROCHLOROTHIAZIDE	captopril-hydrochlorothiazide
ACE-Inhibitors	TRANDOLAPRIL/VERAPAMIL HCL	Tarka
ACE-Inhibitors	TRANDOLAPRIL	Mavik
ACE-Inhibitors	ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	Vaseretic
ACE-Inhibitors	QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	Accuretic
ACE-Inhibitors	AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
ACE-Inhibitors	BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	Lotensin HCT
ACE-Inhibitors	MOEXIPRIL HCL	Univasc
ACE-Inhibitors	LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ACE-Inhibitors	ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
ACE-Inhibitors	CAPTOPRIL/HYDROCHLOROTHIAZIDE	Capozide
ACE-Inhibitors	MOEXIPRIL HCL	moexipril
ACE-Inhibitors	QUINAPRIL HCL	quinapril
ACE-Inhibitors	BENAZEPRIL HCL	benazepril
ACE-Inhibitors	FOSINOPRIL SODIUM	fosinopril
ACE-Inhibitors	BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benaze pril-hydrochlorothia zide
ACE-Inhibitors	FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	Monopril HCT
ACE-Inhibitors	RAMIPRIL	ramipril
ACE-Inhibitors	MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	mo exipril-hydrochlorothia zide



**ACE-Inhibitors** QUINAPRIL HCL/HYDROCHLOROTHIAZIDE

**ACE-Inhibitors TRANDOLAPRIL** 

FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE **ACE-Inhibitors** 

**ACE-Inhibitors** AMLODIPINE BESYLATE/BENAZEPRIL HCL

**ACE-Inhibitors** PERINDOPRIL ERBUMINE

**ACE-Inhibitors** MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE

**ACE-Inhibitors** PERINDOPRIL ERBUMINE

**ACE-Inhibitors** LISINOPRIL/DIETARY SUPPLEMENT, COMB. 10 Lytensopril **ACE-Inhibitors** LISINOPRIL/DIETARY SUPPLEMENT, COMB. 10

**ACE-Inhibitors** TRANDOLAPRIL/VERAPAMIL HCL

**ACE-Inhibitors** QUINAPRIL HCL/HYDROCHLOROTHIAZIDE

**ACE-Inhibitors** LISINOPRIL

Antiarrhythmics

**ACE-Inhibitors** PERINDOPRIL ARGININE/AMLODIPINE BESYLATE

PROCAINAMIDE HCL

**ACE-Inhibitors ENALAPRIL MALEATE** Antiarrhythmics QUINIDINE GLUCONATE

Antiarrhythmics VERAPAMIL HCL Antiarrhythmics PROCAINAMIDE HCL Antiarrhythmics QUINIDINE SULFATE Antiarrhythmics MEXILETINE HCL Antiarrhythmics AMIODARONE HCL Antiarrhythmics QUINIDINE SULFATE

**Antiarrhythmics DISOPYRAMIDE PHOSPHATE** 

Antiarrhythmics MEXILETINE HCL Antiarrhythmics **TOCAINIDE HCL Antiarrhythmics** PROCAINAMIDE HCL Antiarrhythmics AMIODARONE HCL Antiarrhythmics PROPAFENONE HCL **Antiarrhythmics** QUINIDINE GLUCONATE

Antiarrhythmics SOTALOL HCL

Antiarrhythmics PROPAFENONE HCL **Antiarrhythmics** MORICIZINE HCL Antiarrhythmics **FLECAINIDE ACETATE** 

Antiarrhythmics **DISOPYRAMIDE PHOSPHATE** 

**Antiarrhythmics** AMIODARONE HCL Quinaretic

trandolapril

fosinopril-hydrochlorothiazide

amlodipine-benazepril perindopril erbumine

Uniretic

Aceon

Lytensopril-90

trandolapril-verapamil

quinapril-hydrochlorothiazide

**Obrelis** 

Prestalia

**Epaned** 

quinidine gluconate

verapamil procainamide

**Quinidex Extentabs** 

mexiletine amiodarone quinidine sulfate

Procanbid

disopyramide phosphate

Mexitil Tonocard Pronestyl Pacerone

propafenone

Quinaglute Dura-Tabs

sotalol Rythmol Ethmozine

flecainide Norpace

Cordarone



Antiarrhythmics VERAPAMIL HCL Calan

Antiarrhythmics PROPAFENONE HCL Rythmol SR

Antiarrhythmics DISOPYRAMIDE PHOSPHATE Norpace CR

Antiarrhythmics PROCAINAMIDE HCL Pronestyl-SR

Antiarrhythmics SOTALOL HCL Betapace AF
Antiarrhythmics SOTALOL HCL Betapace
Antiarrhythmics SOTALOL HCL Sotalol AF

Antiarrhythmics SOTALOL HCL Sotalol AF
Antiarrhythmics FLECAINIDE ACETATE Tambocor

Antiarrhythmics SOTALOL HCL Sorine

Antiarrhythmics DRONEDARONE HCL Multaq
Antiarrhythmics SOTALOL HCL Sotylize

Antiarrhythmics DOFETILIDE dofetilide
Antiarrhythmics DOFETILIDE Tikosyn

Anticoagulant (non-oral) HEPARIN SODIUM, PORCINE/DEXTROSE 5 % IN WATER heparin (porcine) in 5 % dex

Anticoagulant (non-oral) ARDEPARIN SODIUM, PORCINE Normiflo

Anticoagulant (non-oral) HEPARIN SODIUM, PORCINE IN 0.9 % SODIUM CHLORIDE Heparin Combination

Anticoagulant (non-oral) HEPARIN SODIUM,PORCINE heparin (porcine)
Anticoagulant (non-oral) HEPARIN SODIUM,PORCINE Vasceze

Anticoagulant (non-oral) HEPARIN SODIUM, BEEF heparin (bovine)
Anticoagulant (non-oral) FONDAPARINUX SODIUM Arixtra

Anticoagulant (non-oral) HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE Hep-Pak
Anticoagulant (non-oral) LEPIRUDIN,RECOMBINANT Refludan
Anticoagulant (non-oral) TINZAPARIN SODIUM,PORCINE Innohep

Anticoagulant (non-oral) DANAPAROID SODIUM,PORCINE Organan

Anticoagulant (non-oral) HEPARIN SODIUM, PORCINE/PF heparin, porcine (PF)

Anticoagulant (non-oral) ENOXAPARIN SODIUM Lovenox

Anticoagulant (non-oral) ARGATROBAN argatroban

Anticoagulant (non-oral) HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE heparin (porcine) in 0.9% NaCl Anticoagulant (non-oral) HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE/PF heparin (porcine) in NaCl (PF) Anticoagulant (non-oral) HEPARIN SODIUM,PORCINE IN 0.45 % SODIUM CHLORIDE heparin (porcine) in 0.45% NaCl

Anticoagulant (non-oral) DALTEPARIN SODIUM,PORCINE Fragmin

Anticoagulant (non-oral) DESIRUDIN Iprivask

Anticoagulant (non-oral) ENOXAPARIN SODIUM enoxaparin

Anticoagulant (non-oral) HEPARIN SODIUM, PORCINE/DEXTROSE 5 % IN WATER/PF heparin (porcine) in D5W (PF)

Anticoagulant (non-oral) BIVALIRUDIN Angiomax



Anticoagulant (non-oral) WARFARIN SODIUM Coumadin

Anticoagulant (non-oral) HEPARIN SODIUM,PORCINE/PF Monoject Prefill Advanced (PF)

Anticoagulant (non-oral) FONDAPARINUX SODIUM fondaparinux

Anticoagulant (non-oral) ARGATROBAN IN SODIUM CHLORIDE, ISO-OSMOTIC argatroban in NaCL (iso-os)

Anticoagulant (non-oral) HEPARIN SODIUM, PORCINE/PF Monoject Prefill (PF)

Anticoagulant (non-oral) BIVALIRUDIN bivalirudin

Anticoagulant (non-oral) ARGATROBAN IN 0.9 % SODIUM CHLORIDE argatroban in 0.9 % sod chlor

Anticoagulant (oral) WARFARIN SODIUM Coumadin
Anticoagulant (oral) WARFARIN SODIUM warfarin
Anticoagulant (oral) ANISINDIONE Miradon

Anticoagulant (oral) WARFARIN SODIUM Jantoven
Anticoagulant (oral) DABIGATRAN ETEXILATE MESYLATE Pradaxa

Anticoagulant (oral) RIVAROXABAN Xarelto

Anticoagulant (oral) EDOXABAN TOSYLATE Savaysa

Anticoagulant (oral) APIXABAN Eliquis
Beta Blockers ATENOLOL atenolol
Beta Blockers ATENOLOL Tenormin

Beta Blockers METOPROLOL TARTRATE Lopressor

Beta Blockers NADOLOL Corgard

Beta Blockers PROPRANOLOL HCL Inderal
Beta Blockers PROPRANOLOL HCL propranolol

Beta Blockers PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE Inderide

Beta Blockers TIMOLOL MALEATE timolol maleate

Beta Blockers NADOLOL nadolol

Beta BlockersPROPRANOLOL HCLInderal LABeta BlockersMETOPROLOL TARTRATEmetoprolol tartrateBeta BlockersATENOLOL/CHLORTHALIDONEatenolol-chlorthalidone

Beta Blockers PINDOLOL pindolol

Beta Blockers ACEBUTOLOL HCL Sectral

Beta Blockers ACEBUTOLOL HCL acebutolol

Beta Blockers PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE propranolol-hydrochlorothiazid
Beta Blockers BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE bisoprolol-hydrochlorothiazide

Beta Blockers PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE Inderide LA

Beta Blockers PINDOLOL Visken

Beta Blockers NADOLOL/BENDROFLUMETHIAZIDE Corzide



Senormin

**Bystolic** 

Beta Blockers **ATENOLOL** 

**Beta Blockers BISOPROLOL FUMARATE** bisoprolol fumarate

Beta Blockers SOTALOL HCL sotalol

Beta Blockers ATENOLOL/CHLORTHALIDONE Tenoretic 50

**Beta Blockers** BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE Ziac

**Beta Blockers** METOPROLOL SUCCINATE Toprol XL

Kerlone **Beta Blockers** BETAXOLOL HCL

**Beta Blockers BISOPROLOL FUMARATE** Zebeta

Blocadren **Beta Blockers** TIMOLOL MALEATE

Timolide **Beta Blockers** TIMOLOL MALEATE/HYDROCHLOROTHIAZIDE **Beta Blockers** Cartrol CARTEOLOL HCL

METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE Beta Blockers

Lopressor HCT

Beta Blockers PROPRANOLOL HCL InnoPran XL **Beta Blockers** SOTALOL HCL Betapace AF **Beta Blockers** SOTALOL HCL **Betapace** 

Beta Blockers SOTALOL HCL Sotalol AF

**Beta Blockers** METOPROLOL SUCCINATE metoprolol succinate

**Beta Blockers** BETAXOLOL HCL betaxolol Sorine **Beta Blockers** SOTALOL HCL

nadolol-bendroflumethiazide **Beta Blockers** NADOLOL/BENDROFLUMETHIAZIDE

Beta Blockers METOPROLOL TARTRATE/DIETARY SUPPLEMENT, COMB. 10 Hypertensolol

**Beta Blockers** PENBUTOLOL SULFATE Levatol

METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE **Beta Blockers** metoprolol ta-hydrochlorothiaz

**Beta Blockers** NEBIVOLOL HCL

**Beta Blockers** METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE **Dutoprol** 

ATENOLOL/CHLORTHALIDONE Tenoretic 100 **Beta Blockers** 

**Beta Blockers** METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE metoprolol su-hydrochlorothiaz

Beta Blockers SOTALOL HCL Sotylize **Beta Blockers** PROPRANOLOL HCL Hemangeol Beta Blockers Inderal XL PROPRANOLOL HCL Statins ATORVASTATIN CALCIUM Lipitor **Statins FLUVASTATIN SODIUM** Lescol

Statins LOVASTATIN Mevacor **Statins** PRAVASTATIN SODIUM Pravachol

**Statins CERIVASTATIN SODIUM Baycol** 



Statins SIMVASTATIN Zocor

Statins ASPIRIN (CALCIUM CARB & MAGNESIUM BUFFERS)/PRAVASTATIN PRAVIGARD PAC

StatinsLOVASTATINAltocorStatinsLOVASTATINAltoprevStatinsLOVASTATINlovastatinStatinsSIMVASTATINsimvastatinStatinsPRAVASTATIN SODIUMpravastatin

StatinsPRAVASTATIN SODIUMpravastatinStatinsNIACIN/LOVASTATINAdvicorStatinsFLUVASTATIN SODIUMLescol XLStatinsAMLODIPINE BESYLATE/ATORVASTATIN CALCIUMCaduet

StatinsEZETIMIBE/SIMVASTATINVytorin 10-10StatinsEZETIMIBE/SIMVASTATINVytorin 10-20StatinsEZETIMIBE/SIMVASTATINVytorin 10-40StatinsROSUVASTATIN CALCIUMCrestor

Statins NIACIN/SIMVASTATIN Simcor

Statins EZETIMIBE/SIMVASTATIN Vytorin 10-80

Statins AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM amlodipine-atorvastatin

Statins ATORVASTATIN CALCIUM atorvastatin
Statins PITAVASTATIN CALCIUM Livalo

Statins SITAGLIPTIN PHOSPHATE/SIMVASTATIN Juvisync Statins EZETIMIBE/ATORVASTATIN CALCIUM Liptruzet

Statins ROSUVASTATIN CALCIUM rosuvastatin Statins FLUVASTATIN SODIUM fluvastatin

ARBS AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL amlodipine-olmesartan

ARBS LOSARTAN POTASSIUM losartan
ARBS LOSARTAN POTASSIUM Cozaar
ARBS TELMISARTAN telmisartan
ARBS VALSARTAN valsartan

ARBS VALSARTAN Diovan
ARBS OLMESARTAN MEDOXOMIL Benicar

ARBs IRBESARTAN irbesartan

ARBS VALSARTAN/HYDROCHLOROTHIAZIDE Diovan HCT
ARBS VALSARTAN/HYDROCHLOROTHIAZIDE valsartan-hydrochlorothiazide

ARBS TELMISARTAN/AMLODIPINE BESYLATE telmisartan-amlodipine

ARBs IRBESARTAN Avapro



candesartan

Micardis

olmesartan

Byvalson

Edarbyclor

eprosartan

furosemide

Osmitrol 5 %

metolazone

Midamor

Dyazide

ARBS AMLODIPINE BESYLATE/VALSARTAN amlodipine-valsartan

ARBS LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE Hyzaar

ARBS LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE losartan-hydrochlorothiazide
ARBS AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE amlodipine-valsartan-hcthiazid

ARBS CANDESARTAN CILEXETIL

ARBS TELMISARTAN/AMLODIPINE BESYLATE Twynsta
ARBS IRBESARTAN/HYDROCHLOROTHIAZIDE Avalide
ARBS OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE Benicar HCT
ARBS EPROSARTAN MESYLATE Teveten
ARBS SACUBITRIL/VALSARTAN Entresto

ARBS IRBESARTAN/HYDROCHLOROTHIAZIDE irbesartan-hydrochlorothiazide

ARBS AZILSARTAN MEDOXOMIL Edarbi

ARBS TELMISARTAN

ARBs TELMISARTAN/HYDROCHLOROTHIAZIDE telmisartan-hydrochlorothiazid

ARBS EPROSARTAN MESYLATE/HYDROCHLOROTHIAZIDE Teveten HCT
ARBS OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE Tribenzor
ARBS CANDESARTAN CILEXETIL Atacand
ARBS AMLODIPINE BESYLATE/VALSARTAN Exforge

ARBS AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE Exforge HCT

ARBS AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL Azor
ARBS CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE Atacand HCT

ARBS OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE olmesartan-amlodipin-hcthiazid

ARBS TELMISARTAN/HYDROCHLOROTHIAZIDE Micardis HCT

ARBS OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE olmesartan-hydrochlorothiazide
ARBS CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE candesartan-hydrochlorothiazid

ARBS OLMESARTAN MEDOXOMIL
ARBS NEBIVOLOL HCL/VALSARTAN

ARBS AZILSARTAN MEDOXOMIL/CHLORTHALIDONE

ARBS EPROSARTAN MESYLATE

Diuretics FUROSEMIDE

Diuretics HYDROCHLOROTHIAZIDE hydrochlorothiazide

Diuretics FUROSEMIDE Lasix

Diuretics MANNITOL
Diuretics AMILORIDE HCL
Diuretics METOLAZONE

Diuretics TRIAMTERENE/HYDROCHLOROTHIAZIDE



Diuretics METHAZOLAMIDE methazolamide

DiureticsTORSEMIDEtorsemideDiureticsBUMETANIDEbumetanideDiureticsEPLERENONEInspraDiureticsSPIRONOLACTONEspironolactone

Diuretics ACETAZOLAMIDE acetazolamide

Diuretics TRIAMTERENE/HYDROCHLOROTHIAZIDE triamterene-hydrochlorothiazid

Diuretics BUMETANIDE Bumex
Diuretics INDAPAMIDE indapamide

Diuretics AMILORIDE HCL/HYDROCHLOROTHIAZIDE amiloride-hydrochlorothiazide

Diuretics CHLORTHALIDONE chlorthalidone

Diuretics SPIRONOLACTONE/HYDROCHLOROTHIAZIDE spironolacton-hydrochlorothiaz

DiureticsSPIRONOLACTONEAldactoneDiureticsEPLERENONEeplerenoneDiureticsCHLOROTHIAZIDEDiurilDiureticsMETHAZOLAMIDENeptazane

Diuretics METHAZOLAMIDE Neptazane
Diuretics POLYTHIAZIDE Renese
Diuretics MANNITOL mannitol 5 %
Diuretics ACETAZOLAMIDE Diamox

DiureticsCHLOROTHIAZIDEchlorothiazideDiureticsMANNITOLmannitol 25 %DiureticsTORSEMIDEDemadex

Diuretics MANNITOL mannitol 20 %
Diuretics HYDROCHLOROTHIAZIDE Microzide

Diuretics TRIAMTERENE Dyrenium

Diuretics ACETAZOLAMIDE Diamox Seq

Diuretics ACETAZOLAMIDE Diamox Sequels
Diuretics ACETAZOLAMIDE SODIUM Diamox

Diuretics TOLVAPTAN Samsca

 Diuretics
 TRICHLORMETHIAZIDE
 trichlormethiazide

 Diuretics
 ETHACRYNIC ACID
 ethacrynic acid

DiureticsSPIRONOLACTONE/HYDROCHLOROTHIAZIDEAldactazideDiureticsMANNITOLmannitol 10 %

Diuretics UREA Ureaphil

 Diuretics
 AMILORIDE HCL
 amiloride

 Diuretics
 TRIAMTERENE/HYDROCHLOROTHIAZIDE
 Maxzide

 Diuretics
 CONIVAPTAN HCL/DEXTROSE 5 % IN WATER
 Vaprisol

Diuretics ETHACRYNATE SODIUM Sodium Edecrin



Diuretics HYDROCHLOROTHIAZIDE Oretic

Diuretics MANNITOL Osmitrol 10 %

Diuretics INDAPAMIDE Lozol

Diuretics METHYCLOTHIAZIDE methyclothiazide

Diuretics ACETAZOLAMIDE SODIUM acetazolamide sodium

Diuretics GLYCERIN Glycitrol

DiureticsMETHAZOLAMIDEGlaucTabsDiureticsMETOLAZONEZaroxolynDiureticsHYDROCHLOROTHIAZIDEAquazide-H

Diuretics PAMABROM Diuretic Softgels

 Diuretics
 CHLOROTHIAZIDE SODIUM
 Diuril IV

 Diuretics
 HYDROCHLOROTHIAZIDE
 Esidrix

 Diuretics
 CHLOROTHIAZIDE SODIUM
 chlorothiazide sodium

 Diuretics
 ETHACRYNATE SODIUM
 ethacrynate sodium

Diuretics POTASSIUM SALICYLATE/SALICYLAMIDE/CAFFEINE Trim-Elim

Diuretics TRIAMTERENE/HYDROCHLOROTHIAZIDE Maxzide-25mg

Diuretics BENDROFLUMETHIAZIDE Naturetin

Diuretics CHLORTHALIDONE Thalitone

Diuretics MANNITOL Osmitrol 20 %

Diuretics PAMABROM Diurex Max
Diuretics METHYCLOTHIAZIDE Aquatensen

Diuretics MANNITOL mannitol 15 %

Diuretics AMMONIUM CHLORIDE ammonium chloride

Diuretics METOLAZONE Mykrox
Diuretics METHAZOLAMIDE MZM
Diuretics CONIVAPTAN HCL Vaprisol

Diuretics AMILORIDE HCL/HYDROCHLOROTHIAZIDE Moduretic

Diuretics HYDROCHLOROTHIAZIDE HydroDiuril

Diuretics FUROSEMIDE IN 0.9 % SODIUM CHLORIDE furosemide in 0.9 % NaCl

Diuretics PAMABROM Aqua-Ban/Pamabrom

**Diuretics METHYCLOTHIAZIDE** Enduron Daranide Diuretics **DICHLORPHENAMIDE Diuretics** ETHACRYNIC ACID Edecrin **HYDROFLUMETHIAZIDE** Diucardin Diuretics **Diuretics** TRICHLORMETHIAZIDE Aquazide **Diuretics** TRICHLORMETHIAZIDE Nagua

Diuretics MANNITOL Osmitrol 15 %



Osmoglyn

Integrilin

**PentoPAK** 

cilostazol

Plavix

Trental

Brilinta

Aggrenox

Pletal

**GLYCERIN Diuretics** 

**Diuretics HYDROCHLOROTHIAZIDE** Carozide Introl

**Diuretics GLYCERIN Antiplatelets DIPYRIDAMOLE** dipyridamole pentoxifylline **Antiplatelets PENTOXIFYLLINE Antiplatelets DIPYRIDAMOLE** Dipradam Effient **Antiplatelets** PRASUGREL HCL **Antiplatelets** TICLOPIDINE HCL ticlopidine clopidogrel

**Antiplatelets CLOPIDOGREL BISULFATE** 

**Antiplatelets EPTIFIBATIDE PENTOXIFYLLINE Antiplatelets Antiplatelets** CILOSTAZOL

**CLOPIDOGREL BISULFATE Antiplatelets** 

**Antiplatelets PENTOXIFYLLINE TICAGRELOR Antiplatelets Antiplatelets** CILOSTAZOL

Aggrastat in sodium chloride **Antiplatelets** TIROFIBAN HCL MONOHYDRATE IN 0.9 % SODIUM CHLORIDE

**Antiplatelets** ASPIRIN/DIPYRIDAMOLE

**Antiplatelets** TIROFIBAN HCL MONOHYDRATE Aggrastat Concentrate

**Antiplatelets PENTOXIFYLLINE** Pentoxil **Antiplatelets** ANAGRELIDE HCL anagrelide **Antiplatelets DIPYRIDAMOLE** Persantine Ticlid **Antiplatelets** TICLOPIDINE HCL **Antiplatelets** Persantine IV **DIPYRIDAMOLE** 

**Antiplatelets EPTIFIBATIDE** eptifibatide **CANGRELOR TETRASODIUM Antiplatelets** Kengreal **Antiplatelets VORAPAXAR SULFATE** Zontivity

aspirin-dipyridamole **Antiplatelets** ASPIRIN/DIPYRIDAMOLE

Agrylin **Antiplatelets** ANAGRELIDE HCL **Antiplatelets ABCIXIMAB** Reopro



Specifications for Request ID cder mpl2p wp005
The Center for Drug Evaluation and Research has requested execution of the Cohort Identification and Descriptive Analysis (CIDA) tool with Propensity Score Matching (PSM) to investigate the risk of ischemic and hemorrhagic stroke among users of SSRIs who initiate atypical antipsychotics compared to the rate among those using SSRIs who do not initiate atypical antipsychotics. For the SSRI comparator group, use of 2-hypnotics will be used as a hirting decidation to define an index date for SSRI users.

Query Period: January 1, 2001 - September 30, 2015 Coverage Requirement: Medical and Drug Coverage Enrollment Requirement: 183 days

Enrollment Gap: 45 Days Age Groups: 18-64 years

	Comparison 1		Comparison 2		Comparison 3		Comparison 4		Comparison 5		Comparison 6		Comparison 7		Comparison 8	
	Compa	rison 1	Compa	arison 2	Comp	arison 3	Compa	arison 4	Comp	arison 5		arison 6		arison 7	Comp	arison 8
	SSRI + olanzapine	SSRI + z-hypnotics	SSRI + quetiapine	SSRI + z-hypnotics	SSRI + risperidone	SSRI + z-hypnotics	SSRI+ aripiprazole	SSRI + z-hypnotics	SSRI+ any atypical	SSRI + z-hypnotics	SSRI+ any atypical antipsychotic (risk	SSRI + z-hypnotics (risk	SSRI+ any atypical antipsychotic (risk	SSRI + z-hypnotics (risk	Fluoxetine +	Fluoxetine + z-
Description	33KI + Olalizapille	33KI + 2-Hyphotics	55Ki + quetiapille	33Ki # 2-Hyphotics	33Ki + risperiuorie	33Ki + 2-Hyphoucs	33KI# aripipi azole	33Ki + 2-HypHotics	antipsychotic	33KI + 2-HypHotics	window = 1-15 days)	window = 1-15 days)	window = 16-90 days)	window = 16-90 days)	olanzapine	hypnotics
Drug/Exposure											willdow = 1-13 days)		William = 10-30 days)			
Incident	Olanzapine	z-hypnotics	Quetiapine	z-hypnotics	Risperidone	z-hypnotics	Aripiprazole	z-hypnotics	Any atypical	z-hypnotics	Any atypical	z-hypnotics	Any atypical	z-hypnotics	Olanzapine	z-hypnotics
Exposure/Comparator	·	**	·	••					antipsychotic		antipsychotic		antipsychotic		·	• •
	All atypical and typical	All atypical and typical	All atypical and typical	All atypical and typical	All atypical and typical	All atypical and typical	All atypical and typical	LAII atypical and typical	All atypical and typical	All atypical and typical	All atypical and typical	All atypical and typical	All atypical and typical	All atypical and typical	All atypical and typical	All atypical and typical
Incident w/ Respect to:	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-	antipsychotics and z-
	hypnotics	hypnotics	hypnotics	hypnotics	hypnotics	hypnotics	hypnotics	hypnotics	hypnotics	hypnotics	hypnotics	hypnotics	hypnotics	hypnotics	hypnotics	hypnotics
Washout	183 days	183 days	183 days	183 days	183 days	183 days	183 days	183 days	183 days	183 days	183 days	183 days	183 days	183 days	183 days	183 days
	· ·						·-		·-	•		1			•	
Cohort Definition	Cohort includes only	Cohort includes only	Cohort includes only	Cohort includes only	Cohort includes only	Cohort includes only	Cohort includes only	Cohort includes only	Cohort includes only	Cohort includes only	Cohort includes only	Cohort includes only	Cohort includes only	Cohort includes only	Cohort includes only	Cohort includes only
	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode	the first valid incident treatment episode
		during the query period	during the query period				during the query period	during the query period	during the query period				during the query period			during the query period
	during the query period	during the query period	during the query period	during the query period	during the query period	during the query period	during the query period	during the query period	during the query period	during the query period	during the query period	during the query period	during the query period	during the query period	during the query period	during the query period
Episode Gap	30 days	30 days	30 days	30 days	30 days	30 days	30 days	30 days	30 days	30 days	30 days	30 days	30 days	30 days	30 days	30 days
Episode Extension Period																· ·
	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Minimum Episode Duration	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day	16 days	16 days	1 day	1 day
Maximum Episode Duration	None	None	None	None	None	None	None	None	None	None	15 days	15 days	90 days	90 days	None	None
Minimum Days Supplied	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day	1 day
Episode Truncation at Death	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
							7.7									
Episode Truncation for Exposure	All typical and all non- study atypical	All atypical and typical antipsychotics	All typical and all non- study atypical	All atypical and typical antipsychotics	All typical and all non- study atypical	All atypical and typical antipsychotics	All typical and all non- study atypical	All atypical and typical antipsychotics	All typical antipsychotics or z-	All atypical and typical antipsychotics	All typical antipsychotics or z-	All atypical and typical antipsychotics	All typical antipsychotics or z-	All atypical and typical antipsychotics	All typical and all non- study atypical	All atypical and typical antipsychotics
Exposure	antipsychotics or z-	anupsychotics	antipsychotics or z-	anupsychotics	antipsychotics or z-	anupsychotics	antipsychotics or z-	anupsychotics	hypnotics or 2-	anupsychoucs	hypnotics or 2-	anupsychotics	hypnotics of 2-	antipsychotics	antipsychotics or z-	anupsychotics
	hypnotics		hypnotics		hypnotics		hypnotics		пурнопез		пурнопез		пурновы		hypnotics	
Inclusion/Exclusion																
Pre-Existing Condition	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and
_	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke
Include/Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude
Care Settings/PDX																
= -	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any
Lookback Period	-183, 0	-183, 0	-183, 0	-183, 0	-183, 0	-183, 0	-183, 0	-183, 0	-183, 0	-183, 0	-183, 0	-183, 0	-183, 0	-183, 0	-183, 0	-183, 0
Pre-Existing Condition	Dementia	Dementia	Dementia	Dementia	Dementia	Dementia	Dementia	Dementia	Dementia	Dementia	Dementia	Dementia	Dementia	Dementia	Dementia	Dementia
Include/Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude
Care Settings/PDX	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any
Lookback Period	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1
	-105, -1	-103, -1	-103,-1	-103, -1	-105,-1	-103,-1	-103, -1	-103, -1	-103, -1	-103, -1	-103, -1	-103, -1	-103, -1	-103, -1	-103, -1	-103, -1
Event/Outcome																
Event/Outcome	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and	Hemorrhagic and
	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke	ischemic stroke
Care Setting/PDX	IPP	IPP	IPP	IPP	IPP	IPP	IPP	IPP	IPP	IPP	IPP	IPP	IPP	IPP	IPP	IPP
Washout (days)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blackout Period	None	None	None	None	None	None	None	None	None	None	None	None	15 days	15 days	None	None
	Hone	Hone	None	Hone	HONE	None	HONE	HONE	HONE	None	None	None	15 0045	15 0045	None	None
Propensity Score Matching Covariates	SSRI pre-index	SSRI pre-index	SSRI pre-index	SSRI pre-index	SSRI pre-index	SSRI pre-index	SSRI pre-index	SSRI pre-index	SSRI pre-index	SSRI pre-index	SSRI pre-index	SSRI pre-index	SSRI pre-index	SSRI pre-index	Fluoxetine pre-index	Fluoxetine pre-index
Covariates	duration. See	duration. See	duration. See	duration. See	duration. See	duration. See	duration. See	duration, See	duration. See							
ĺ	Covariates tab for all	Covariates tab for all	Covariates tab for all	Covariates tab for all	Covariates tab for all	Covariates tab for all	Covariates tab for all	Covariates tab for all	Covariates tab for all	Covariates tab for all	Covariates tab for all	Covariates tab for all	Covariates tab for all	Covariates tab for all	Covariates tab for all	Covariates tab for all
ĺ	covariates	covariates	covariates	covariates	covariates	covariates	covariates	covariates	covariates	covariates	covariates	covariates	covariates	covariates	covariates	covariates
Covariate Evaluation	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4	402.4	-1831	402.4	402.4	402.4
Window	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1
Matching Ratio	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1
Matching Caliper Settings	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Analysis Type		Unconditional	Unconditional	Unconditional	Unconditional	Unconditional	Unconditional				Unconditional	Unconditional	Unconditional	Unconditional		Unconditional
	Unconditional	Unconditional	Unconditional	Unconditional	Unconditional	Unconditional	Unconditional	Unconditional	Unconditional	Unconditional	Unconditional	Unconditional	Unconditional	Unconditional	Unconditional	Unconditional
Additional Covariates to Adjust	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration	SSRI pre-index duration
tor in Cox Model						·							·	·	·	
Subgroup Analysis	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Kaplan Meier Plot	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	No	No
	Nam Meier Plot No													•		